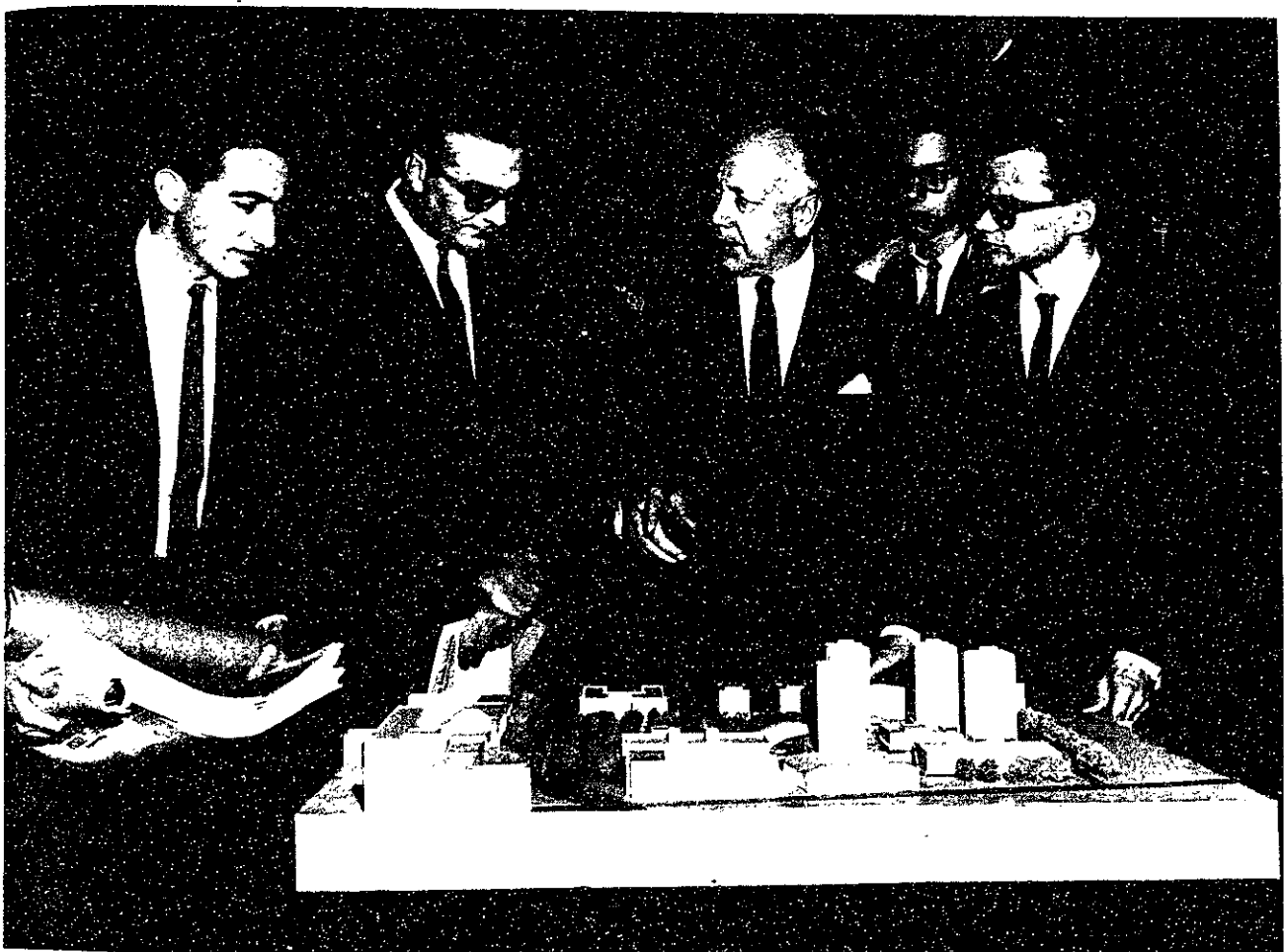


Stratton, Catalano Unveil Center Plans; Construction May Start Next Spring



—Photo by Curtiss D. Wiler
Paul Shapiro '63, Prof. Catalano, Dr. Stratton, and Woody Bowman '63 discuss some of the features of the plans for the Student Union, unveiled last Monday.

Preliminary plans for an MIT Student Center have been approved, and construction is expected to start by the middle of next year.

These and other announcements concerning Student Center were made by President Julius A. Stratton, at a meeting of many student leaders, both from student government and activities, with selected faculty and administration officials Monday in Kresge's Little Theater.

In a meeting which featured various announcements by Stratton and UAP Woody Bowman and which was highlighted by a detailed description of the Center by Professor Eduardo F. Catalano, the architect, the President explained that "the case for a Student Center was clearly made up sometime ago; it remained only to determine what was wanted, what was meant by this, and, of course, how to do it."

Complete Student Center Floor Plans

See Centerfold

Airs Views On Cuba

Buckley Scores Mailer

By Carl Wunsch
Norman Mailer and the international crisis over Cuba served as the focal points of a speech given by William F. Buckley, Jr. to a near capacity audience in Kresge Auditorium last Wednesday evening.

The editor of the National Review magazine and a leading spokesman for the "American Right Wing" attacked the political opinions and sexual proclivities in the novel of Mr. Mailer. The novelist, a recent debating

INDEX

Despite next week's holiday, The Tech's makeup & deadlines will be the same as usual.

News deadline: 7 p.m. Monday.

All other copy: noon Sunday.

College World 20

Editorials 4

Educational Washington 5

Entertainment 5-8, 17

Kibitzer 4

Sports 23-24

Student Union Plans 11-14

"About a year ago we commissioned Prof. Catalano to work on the plans . . . they were received by the Institute Building Committee a few weeks ago; and I'm happy to say that last Friday

Inscomm Establishes New Subcommittee On Student Center

The Student Center is the subject to be studied by a newly formed subcommittee of Inscomm. The committee will investigate the role of the Center and its probable relationship to extracurricular life at MIT.

Jim Bradley '64, chairman, Dick Lowensohn '65, and Jack Hafstrom '65, were appointed to the committee by Inscomm's Executive Committee. Although the range of the group's responsibilities is not precisely defined, it is hoped that the committee will help provide a continuity of philosophy in the transition from designing the building to planning its use.

The new sub-committee will work with faculty and administration groups which are undertaking similar studies.

opponent of Mr. Buckley on the subject "The meaning of the American right wing," though absent at Kresge, came under heavy criticism.

"The world, if it really appreciates Mr. Mailer, must be a cad," Mr. Buckley concluded.

Switching over to Cuba, which he linked to Mr. Mailer through his membership on the Fair Play For Cuba Committee, Mr. Buckley told his listeners that "We are less well off than we were two weeks ago," saying that the United States has made commitments to the Soviet Union far stronger than any made in the past. He asserted that the United States is "fleeing from the responsibilities of the Monroe Doctrine," and that "Mr. Kennedy had an incomplete grasp of the situation last week."

"It is said of the American right wing that we do not trust our leaders. Nothing could be closer to the truth. "Our leaders

(Please turn to page 15)

they were presented to the Executive Committee of the Corporation and they have the most enthusiastic approval.

"So, we are telling Prof. Catalano to proceed; we have asked him to go ahead just as fast as he can. Although its going to be a job getting the detailed plans ready before next June, I definitely want to see as least a symbolic ground-breaking by the end of the academic year."

(Prof. Catalano stated later in the meeting that "I am shooting for completion of the plans by next spring and a ground-breaking which is more than symbolic, by next May.")

Next, President Stratton explained the financing: "This building is, unfortunately, an explosive one; in my annual report I noted that, important as this project was, we had no substantial funds earmarked for the purpose. Since then, however, we have received the first major grant of \$400,000 from the Hayden Foundation.

"But this is hardly enough; the building cost will be about \$4.5 million; this, however, includes the commercial facilities, from which we hope to get back about five to six hundred thousand dollars in rent. Then we have a policy . . . of making provision for the cost of operation of new buildings over a ten-year period;

(Please turn to page 19)

CRC Objects To Plan

Malcolm X Talk Barred To Outside Reporters

By Dave Vanderwerff
Tomorrow night's lecture by Minister Malcolm X, spokesman for the Black Muslim movement, will be limited to members of the MIT community as a result of a decision by Dean Kenneth Wadleigh.

This restriction on attendance at the speech was agreed upon at a meeting of Dean Wadleigh; Dean Robert Holden; Lawrence Bishoff, Assistant to the Dean of Student Affairs; Ned Block, president of the sponsoring organization, the MIT Civil Rights Committee; and the CRC faculty advisor, the Reverend Myron B. Bloy, Jr. Additional restrictions have also been placed on the program. Instead of being distributed free, tickets will be sold at 50 cents each in order to limit the size of the audience.

A second reason for selling the tickets is that the revenue will help to pay for the six policemen and security force members needed to direct traffic and control overcrowding. Further, it was agreed that Mr. X's retinue should be limited to a "reasonable number," although the number was not specified. Outside press are to be definitely excluded from the lecture.

The restrictions were imposed for two reasons, said Mr. Bishoff. It was felt that the Institute might be placed in a bad light if any incidents such as have happened in the past should occur.

Also, it was decided at the meeting that MIT is too often associated with unpopular issues and might receive unflattering publicity. CRS has several objections to the restrictions, according to president Block. Since the club's purpose was to awaken people on racial problems in general, the group feels that the restriction on attendance does a disservice to students at other schools. Moreover, the club believes that these limitations constitute interference in student activities. The tickets will be available for 50 cents in the lobby of Building 10 Wednesday and Thursday from noon until 5 p.m. The lecture will begin at 8 p.m.

Toilet Paper Adorns Beta House Door Gone; Gerrity Accuses Coeds

By Mona Dickson
Last Sunday morning travelers on Bay State Road saw a strange sight—a house decorated with blue and pink toilet paper and missing a front door.

Somebody had raided the Beta House during the night. The front door had been taken off its hinges and carted away; it was still missing Monday night.

Bows and streamers hung from the fire escape, which goes up the front of the house, from the trees, and from the porch columns.

Tom Gerrity '63, Beta House President, thought that two groups had done the work. He had no comment when asked who had taken the door, saying only that he hoped "to have the door back before the winter sets in". Several weeks ago the door was taken, then put back on its hinges the next night.

Pakistani Grad Student Commits Suicide

A 26 year old graduate student was found dead in his apartment at 15 Suffolk St., Cambridge, last Friday. Dr. David C. Dow, medical examiner of Middlesex County declared the death a suicide by cyanide poisoning.

The victim, Puspa Ranjan Charkravorty came here in last fall after earning his Masters Degree in Applied Chemistry at the University College of Technology in Calcutta, India.

Born in East Pakistan, he was a first year graduate student studying nutrition, food science, and technology.

The discovery was made by R. N. Ghosh Tagore, a roommate. Police said a note was found indicating that Charkravorty had taken his life because of personal problems.



The Tech

'We Want To Be Segregated' Say Black Muslims

By Joseph Hanlon

"As Muslims we want segregation. We do not want to be united with a society that is on its way down," stated Malcolm X when he spoke at Simmons March 20.

Segregation is the keystone of the Black Muslim plan of self help for the Negroes, because they believe that the Negro can never attain full equality "in the land of the former slave masters children".

By constantly reminding their followers of their slave heritage, by calling the white race their "open enemies" and "the real devils", and by emphasizing their persecution by the whites, the Black Muslims have built up a reputation as a hate group. Yet this is only part of the movement.

Basically a religious movement, Muslim is merely a phonetic spelling of Moslem. As moslems they emphasize cleanliness, moral integrity, respect for their women, and abstention from alcohol, tobacco, and narcotics. Juvenile delinquency and crime are another target of the Muslims; members are forbidden to carry weapons of any sort, and the crime rate has been markedly reduced among the Muslims.

The major concentration of effort is in two fields, however: civil rights and economic progress for the Negro. To make gains in both of these fields, the Muslims feel that segregation is an absolute necessity. "Do not expect your former slave masters children to give you the privileges to do as you desire in his own house" declares Elijah Muhammad, leader of the movement.

Also, they believe that as long as the Negro is working for the white man, he will be discriminated against. They blame this sort of discrimination for the large scale Negro unemployment. To solve this problem, they encourage Negroes to set up their own businesses, which has been done with success in Chicago.

As a long term goal, they want separate states set up for the Negroes. "We need land wherein we can build our own society free from the tension, hatred and violence that have accompanied our race relationship with the White race of America" claims Elijah Muhammad. "We want to be segregated on some of this earth that we can call our own".

Muslim Minister Malcom X Here Tomorrow

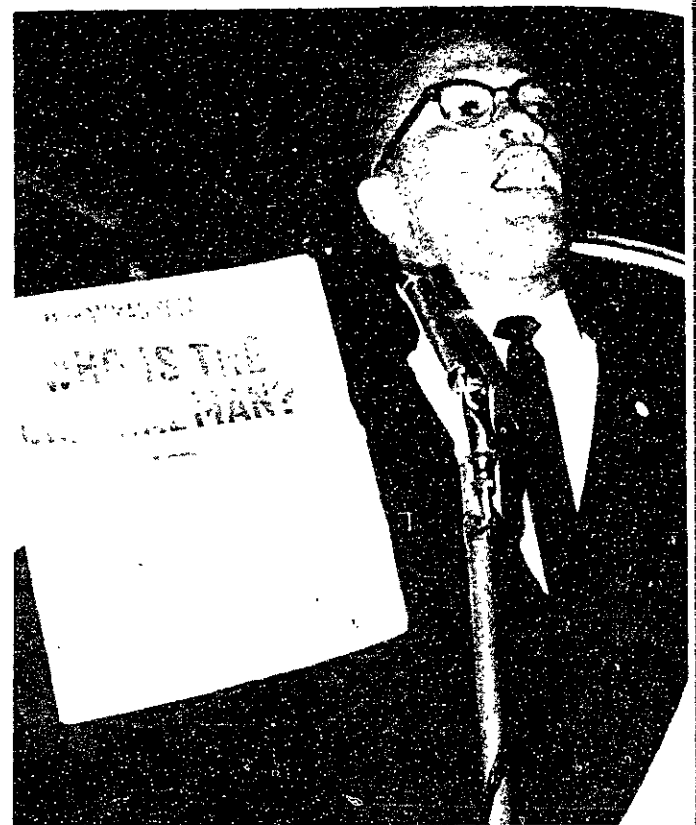
The movement emphasizes the differences between the White and Black man. "We are two different people altogether" claims Elijah Muhammad. Malcolm X goes as far as saying "The sole purpose of the Muslim movement is to teach the Negro of the United States the culture that was taken away from him during slavery".

To emphasize this difference, Muslims often change their name. "I can't be Mr. Jones, because Mr. Jones is a White man," says Elijah Muhammad, "I'm a Black man, I have to go by the name of the Black people." The most common name change is to replace the surname by "X" or "3X" or "21X" etc. such as Malcolm X has done.

One of the strongest reasons for their belief in segregation is the discrimination against the Negroes in the United States. Consequently, the Muslims constantly emphasize this discrimination. "Look in all cities in America" declares Elijah Muhammad, "and you will find your brother's head bleeding with the knocks on it from police brutality and from any white man who wants to beat him up. . . . The Black man in America is so dumb and helpless that he is a prey in the hands of the white people".

Recently, Elijah Muhammad went as far as to say "We want the government of the United States to exempt our people from all taxation as long as we are deprived of equal justice under the laws of the land".

At the same time that they are being discriminated against, the Negroes are dependent on the White race, claim the Muslims. "We need the thrust that will pull us off our knees from begging and put us on our feet as intelligent men and women no longer dependent upon the slave master" declares Elijah Muhammad.



Black Muslim minister Malcolm X who will speak at Kresge Auditorium tomorrow evening at 8:00.

They believe that the White race is advocating integration only to keep the Negroes in servitude. They also feel that the Whites have really done very little for the Negro. "Allah and I are the only ones I know who are setting up any good work for our people," claims Elijah Muhammad.

The spirit of the movement is best summed up by Elijah Muhammad's statement: "We want nothing less than freedom to build our own economy and society, and on some of the earth that we can call our own!"



Harris Tweed Sport Coats

100% Pure Scottish Wool
Hand Woven

47⁵⁰

Tailored by Marvest
Other Sports Coats \$35.00

TECH COOP

3 Objectives Outlined

By Joseph Sullivan

Nearly \$60 million has already been committed to the Second Century Fund, and the goal of \$66 million "seems assured."

This was announced in President Julius A. Stratton's Report to the MIT Corporation released last Monday. He added that the intensive phases of the campaign would be concluded by the end of the present academic year.

The report went on to say that a substantial part of the Second Century Fund will be allocated for the construction of five inter-departmental centers: Aeronautics and Astronautics, the Communication Sciences, the Earth Sciences, the Life Sciences, and Material Science and Engineering.

Other construction projects on campus in the past year include the Women's Dorm, Married Student's Apartments, Burton House Dining Room, Psychology Building, Radiochemistry Laboratory,

Cyclotron, and National Magnet Laboratory.

By midwinter, construction amounting to over \$30 million will be under way.

President Stratton outlined the three main objectives of MIT. The first is to "enhance the quality and add to the opportunities for education."

"There are, throughout the Institute, innumerable projects undertaken by individual members or by groups of the faculty for improvement in the process of teaching as well as for development of the curriculum."

He says that it is the primary responsibility of the department heads to bring any new plans to the attention of the Academic Council.

The report notes that the Institute has been engaged in a "massive effort" to reconstruct the curriculum of the School of Engineering. This revamping will "develop a plan of engineering education completely attuned both to the advances of science and the contemporary requirements of industry."

The second goal of the Institute is to create new facilities for research, develop special fields of critical importance, and relate research more closely with teaching.

Interest in the life sciences has increased at MIT in the past few years. Enrollment in Biology has doubled in the past eight years, while research endowments have risen early seven times.

Election Results To Be Discussed, Simulmatics Method To Be Applied

Dr. Ithiel de Sola Pool, professor of political science, will give his analysis of yesterday's election at 2:30 p.m., Monday in Kresge Auditorium. The meeting will be open to the MIT Community.

Dr. Pool will describe how the simulmatics method of analyzing public opinion was applied to the elections in New York and California and to the makeup of the new Congress.

Possible applications of the method to public relations will be discussed by a panel consisting of

William Pinkerson, news officer, Harvard University; Dr. Allan Stanton, psychiatrist-in-chief, McLean Hospital; Greer Williams, development officer of the Children's Medical Center in Boston. The moderator will be Howard Curtis, secretary of Brown University.

The report will be presented by representatives of non-profit institutions attending the national conference of the Public Relations Society of America in Boston November 11-14.

Another area of increased interest is the planetary and space sciences. A program of study in this field has been outlined by the newly formed Committee on Planetary and Space Science. Twenty-eight subject choices have been offered this term in six different courses.

The third main goal is the creation of a physical environment which will best contribute to the total development of each student. Two committees have been created to study environment.

Under the guidance of Dean Wadleigh, one group will review non-curricular aspects of student life. The academic life of the undergraduates will be studied by a committee headed by Prof. Zacharias.

The report concluded with figures for the past academic year. Nearly fifty percent of the undergraduates received direct financial aid totaling \$1,983,268.

Gifts amounted to over \$17 million, representing an increase of \$3 million over last year.

'65 Prom Elections

The elections for the Junior Prom Committee, Class of 1965, will be held Tuesday Nov. 27.

Petitions are now available for candidates for the Junior Prom Committee, Class of 1965, from the Institute Committee secretary at Litchfield Lounge. The petition will be due Friday Nov. 16 at 5 p.m. Elections will be held Tuesday Nov. 27 in Bldg. 10 and 2.

CLASSIFIED ADS

PART-TIME WORK: Permanent job for personable and mature college student as Hospital TV rental manager. Call LA 3-4212.

RIDE WANTED: Ride to Phoenix, Arizona for Christmas vacation. Call Mike Weidner, x3782.

WANTED: Fiat Shop Manual for 1957 1100 Model Sedan. Call Bernie Yaged, x3782.

DANCE COMBO: Guitar, sax, piano, bass, and drums. Ideal for parties. Everything from jazz and rock and roll to mood music. Call Roddy McLeod, x3203.

FOR SALE: 12 V. car radio. Monarch 8 transistor with built in speaker. Best offer over \$25. Worth \$45 new. Tom Taylor, x3782.

FOR SALE: 12 V. Motorola FM tuner for car radio. Worth \$74 new, best offer over \$40. Tom Taylor, x3782.

FOR SALE: New, Cushman Super Eagle Motor Scooter. Won in contest. Fully equipped. Best offer takes it. Call after 5 p.m. GR 9-6773.

Junior Prom Comm. Announce Queen Finalists



Barbara Bolin
Date of: Mike Monsler (BTP)

Marilynn Burmeister
Date of: Fred Silverstein (AEP)

Suellen Healy '64
Date of: Ken Wilson (DU)

Diane Macunovich '66
Date of: Drew Roskos (ATO)

Janet Wendle
Date of: Guy McChesney (SPE)

Great Dome Transferred Into Giant Jack-O-Lantern

The Great Dome became a mammoth jack-o-lantern on Hallowe'en night when eight fraternity men bedecked it with sheets and paint. Inspired by the "Great Pumpkin" referred to in the Peanuts cartoon strip, members of one of the MIT fraternities devised and executed carefully timed plans in order to make the transformation. The mouth and nose were painted ahead of time on white linen with lampblack. Since it was impossible to suspend sheets for the eyes, the men painted them on. Although they thought that they were using water-soluble paint, they were proved wrong when maintenance crews attempted to remove the eyes.

All the floodlights shining on the dome were covered with red and yellow cellophane. As a result, the dome assumed a bright orange glow.

The cellophane was placed on the lights less than half an hour before they were turned on; then the rest of the work was completed. Having been well planned in advance, the job required less than five minutes.

With reference to the events of the "Peanuts" cartoon, an officer of the fraternity involved explained: "It seemed a humanitarian thing to do—to make the 'Great Pumpkin' rise out of the pumpkin patch on Hallowe'en so that the Linus's of the world would not be disillusioned."

Institute Receives Ford Research Grant

The Ford Foundation Monday announced grants totaling \$13,360,900 for projects in Europe, Africa, Asia and Latin America.

MIT received two grants totaling \$47,200. One for \$118,500 is for research on employment of school leavers in Nigeria and on planning problems for the Niger River.

The second of \$555,700 was for continued research on the social and economic development of India.

Newsletter Sanctioned Inscomm Proposes Activity Cards

By Herb Eagle

The Institute Committee last week gave a unanimous vote of confidence to the editorial policies of the "Inscomm Newsletter."

Future issues of the newsletter will include a statement to the effect that all signed articles represent the opinions of the writers. Expansion of the bi-weekly issues to six or eight pages is also being considered.

Activity Cards

In response to Institute objections to the large-scale traffic in registration cards which regularly accompanies proms and special weekends, Inscomm requested that the administration issue an activity card to each student with his registration card. This card would contain the student's name,

class, and course, and the same expiration date as that of the registration card. A stronger motion, which would have made it grounds for disciplinary action for a student or group to solicit registration cards, was defeated.

UAP Bowman announced that Steve Miller will replace Walter Winshall, who is resigning as chairman of the Entrepreneurship Committee. He also stated that a committee would be formed in the near future to consider whether any regulations governing student publications should be instituted. The committee will work with the administration and with legal advisors.

Elections to the Junior Prom Committee will be November 27. Petitions are available in Litchfield Lounge; they must be filled by November 17.

Field Day: Boat Race, Bed Marathon, Glove Fight, Tug O' War; Sat. 10 am

By Lyall Morrill

A gondola boat race, a "bed marathon," a tug-of-war, a glove fight, and an unannounced mystery event will highlight Field Day 1962 Saturday morning.

The Classes of '65 and '66 will vie at Briggs Field from 10 a.m.

until noon in a potpourrie of athletic contests.

The first event, the gondola boat race, will begin at 10 a.m. on the Kresge parking lot. Two boats with wheels, one manned by sophomores, the other by freshmen, will participate.

Each class will enter four relay teams of ten men each in the race; motive power will be provided by long poles with which the men will shove the boats across the lot.

Adding to the activity, a water battle will be waged between the two boats. Moreover, each of the twenty-foot gondolas will carry a coed passenger.

The mystery event, called Event X, is scheduled to begin at 10:30. At the same time, the hour-long bed marathon will start.

The marathon involves two teams, each pushing a bed around the track. The winning class will be the one which completes the greater number of laps during the allotted hour.

The beds will be equipped with wheels, provided by the participating teams, and with coeds, who will ride on the beds during the race.

At 11:00 the tug-of-war will begin. The first half of this event

is an "unlimited" contest, in which each class will enter a team.

The losing team will be dragged through an "obstacle" in the center. Although the nature of this obstacle is secret, it is described by Field Day Chairman John Downie as "highly disagreeable."

The second half of the event is a coed tug-of-war. It will not include an obstacle between the teams.

As the marathon bed race comes to a conclusion at 11:30, the final event, the traditional glove fight, will start. Each of the two classes begins the contest wearing gloves of the class colors. At the end of fifteen minutes, the class having accumulated the larger number of gloves wins the contest.

In last year's festivities, this glove fight was the decisive event. When it began, the sophomores were leading the freshmen by 34 points. However, overpowering their rivals by sheer numbers, the freshmen won the glove fight, gaining 35 points and a hairbreadth victory.

At the close of the competition, a lunch of hot dogs and beverages will be sold to those present.

Seminar Discusses Terminal Problems

The problems that beset major air terminals in the jet age will be discussed at a Flight Transportation Seminar at 4 p.m. in Room 35-225 Friday, November 9, by Mr. John R. Wiley.

As director of aviation for the Port of New York Authority, Wiley is responsible for running the four airports—LaGuardia and International in New York and Newark and Teterboro in New Jersey—that make up the largest single air-terminal complex in the world.

The weekly interdepartmental seminars, each featuring a leader in some different phase of the air transport industry, are being sponsored by the Department of Aeronautics and Astronautics to focus student and faculty attention on technological problems facing the aviation industry.

ATA President Discusses US Airlines

By Steven Lipner

The common problems confronting America's commercial air carriers were the subject of a talk by Stuart G. Tipton, president of the Air Transport Association, before the Flight Transportation Seminar on Thursday, November 1.

Mr. Tipton stated that the function of the A.T.A. is to find workable solutions to problems of regulation, economics, and operations which face all airlines.

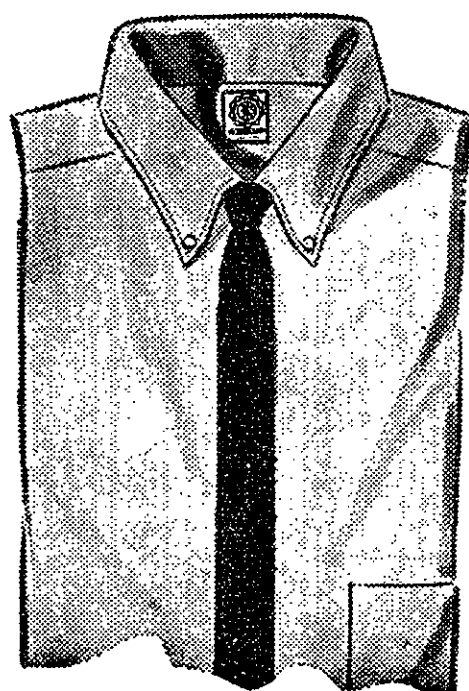
In fulfilling this purpose, the A.T.A. handles lobbying for the air transport industry and aids cooperation in ticketing, baggage handling, traffic control, and maintenance. In this way, the Association avoids some needless duplication within the industry.

Mr. Tipton saw the jet transport as a source of both trouble and salvation for the airlines. Although its initial cost and large capacity present definite problems, as passenger loads rise and operation becomes more efficient, the jet will become more and more profitable.

In spite of the cost of keeping up with technology, Mr. Tipton could not foresee the day when new innovations would be suppressed for economic reasons. He stated that the competitive spirit of the airlines would cause them to seek improvements in spite of costs in obsolescence of present aircraft.



Stuart Tipton



HEAD OF THE CLASSICS

Open or closed, the shirt of top merit is Arrow's "Gordon Dover Club." Comfortable medium-point, button-down collar is softly rolled in the finest Oxford tradition. Placket front and plait in back are right for important occasions. The trimly tailored "Sanforized" cotton Oxford cloth keeps the standard high and assures permanent fit. \$5.00. Most fitting accessory is the Arrow Kwik Klip, the instant knit tie with easily adjustable knot. \$1.50.

ARROW
FOUNDED 1851

Traditionally the Finest for Discriminating Men



Vol. LXXXII No. 22 Nov. 7, 1962

Chairman Thomas Brydges '62
Managing Editor Joseph Hanlon '63
Editor Allen Womack '63
News Editor Jason Fane '63
Sports Editor Howard Ellis '65
Features Editor Toby Zide '65
Photography Editor Conrad Grundelner '64

Student Union

The special centerfold section of this week's *The Tech* marks another step forward in a struggle which has existed almost since the inception of MIT. It seems that we are now astonishingly close to the physical realization of a center for campus activity; not an interim measure, but a building designed from start to finish to fulfill the extracurricular needs of this campus.

As the accompanying articles indicate, this building represents the fruition of years of planning and work by many interested people; they also indicate that a great deal of work still lies ahead before the center is a functioning unit. The problem of adequate financing still rests heavily upon the center's staunchest proponents, but we are confident that ground will be broken for this building in May of 1963. One reason for this confidence is the unswerving devotion which both Doctors Killian and Stratton have evidenced to the effort of making it a reality: the Administration is perceptively aware of the need to improve the MIT environment.

What effect this elegant new building will work upon community life here, is yet a matter of conjecture. We feel that the most important single contribution the center will make will be to provide some much-needed community services, particularly the commercial establishments and restaurants. Student activities will certainly enjoy the improvement of space and facilities, but these may soon be outgrown, and future student governments will have to advocate the addition of another floor. Nonetheless, the step has been taken, and the future should be brighter for it.

President's Report I

In his annual report to the Corporation, President Stratton has defined MIT's immediate goals: "to enhance the quality of education at MIT.; to create new facilities for research, to press forward in special fields of critical importance, and to relate research more closely to teaching; and to develop further the physical environment of our campus..." The report goes on to describe an admirable record of MIT's accomplishments in working toward these goals; it strikes but

one sour note, a note of omission.

The President states that the Second Century Fund has had an early and powerful influence on engineering education. Just how powerful is reflected in the space devoted to the description of educational innovations in that school. But what of the School of Science? Excepting the Life Sciences, the President's report conveys the feeling that the engineers have far outpaced the scientists in bringing new educational techniques to bear on problems they certainly share equally. From the design of new research centers to the perennial problem of course revision, the Sciences seem to be lacking. Why?

Facts of Life

In the face of scientific evidence now available, it is no longer possible to ignore the direct connection between cigarette smoking and the occurrence of lung cancer and other respiratory ailments. For many years, the public has been hesitant to accept the findings of these studies. Part of the reluctance has been due to intensified advertising by the tobacco companies; but most of the resistance stems from unwillingness to relinquish long-established habits.

Surveys have shown that the younger the age at which the smoking habit is acquired, the more the individual tends both to smoke and to inhale; both of which increase the probability of detrimental effects. The American Cancer Society is making an earnest effort to see that young people are informed of the facts before they acquire the habit; the cigarette companies are countering by identifying cigarettes with youth, glamour, and enjoyment.

In the midst of this hassle the college newspaper finds itself. Not really qualified to judge exactly what the risk is, it is forced to be dominated by economic imperatives. The major portion of college publications receive substantial support from cigarette advertising. Twenty to fifty percent of *The Tech's* advertising revenue is from this source.

Thus, any effort to reduce or eliminate cigarette advertising in college publications will have to become subject to the simple economic facts: the tobacco manufacturers are contributing heavily to the continued existence of the publication. If the Cancer Society expects its campaign to yield results, it will have to answer the question "What do we do about the deficit?"

We suggest that every member of this community be aware of the medical evidence. We suggest that if the Medical Department sees this to be a vital concern, it should issue a statement to that effect. We hope that this can in some measure offset the untenable position of the college publication.

Letters to The Tech

Secretary Attacks Buckley Lecture

To the Editor:

There is a certain fluent sound which, emitted by a writer or speaker, can be identified as use of language to avoid truths rather than to elucidate them. William-F. Buckley, Jr., in his talk "A Conservative Views the Fall of the West" given at Kresge last Wednesday, produced just such a sound, and one hopes for the sake of the conservatives that Mr. Buckley is no more their major spokesman than Mr. Norman Mailer is that of the liberals.

However, in Mr. Buckley's private world, Mr. Mailer does occupy this exalted post in the liberal Pantheon. Upon the authority of "responsible people" (it was not stated what else these people are responsible for) Mr. Buckley obligingly placed Mr. Mailer in this exposed position and proceeded to devote the first part of the lecture to shooting him down therefrom.

A sample of his approach to this demolition was a set of insinuations radiating from a quotation by Mr. Mailer to the effect that prejudice against the Negro is in part inspired by envy of his superior sexuality. Serious students of prejudice will recognize the belief in and fear of superior sexuality in a minority group as symptoms of the radically intolerant personality. (See Allport "The Nature of Prejudice") There is, then, an element of truth in Mr. Mailer's morbid and filthy-minded view, although insofar as he shares the beliefs of the prejudiced if not their fears, he qualifies himself for criticism by the true liberal as much as by Mr. Buckley. It must be added that Mr. Buckley's remarks did not indicate any insight into the nature of intolerance greater than that of Mr. Mailer.

Having disposed of the opposition's major spokesman, Mr. Buckley then showed us further through his conservative's garden of horrors. All would be well, we are urged, if we could be rid of the vast smokescreen emanating from Harvard (our guide, be it remembered, is a Yale man) which prevents us from clear-eyed, bold action in regard to Cuba, such as, we are left to infer, not buying tickets to hear Castro speak.

Buckley does not hesitate, however, to throw up a few smoke-screens of his own. The program of aid to agriculture must be brought to a halt, so that the laws of the free market (which have served us so well in the past) can again have full sway—with, of course, measures to prevent undue hardship in the process. (Isn't that what we're doing already?) The Fed. government must get out of the field of education, but Buckley is certainly in favor of a plan whereby the wealthier states would send aid for education to the less wealthy states. (Buckley did not specify what central body might be set up to administer such a program.) Asked to give his views on the recent Supreme Court decisions in regard to school prayers, he managed to convey in-

dignation towards governmental interference with the rights of individuals without ever touching on the central issue of church-state separation. (Freedom of religion does not include freedom not to have religion, apparently.) a question concerning the possible value of government activities in the fields of agriculture, education and welfare brought forth a stream of vague but ringing prose, of which the phrase "factitious economic agglomerations" is the particular one still ringing vaguely in the ear of this listener. Buckley views with scorn the "lack of virility" in our handling of the Communist threat in Cuba and elsewhere outside our borders, but is quick to protest against any action in regard to right-wing dictatorships for fear of being labelled "one of those Wisonian interventionists who want to 'make the world safe for democracy!'"

It is not clear what Mr. Buckley wants to make the world safe for, but it is obvious that his view of it has kept him safe from several of the facts of life. We suggest that if his principal terror is that we are overrun with morbid Malerites, he stick his head out and take another look.

Throughout the lecture, one sensed an illusion on Buckley's part that mastery over words constitutes mastery over the realities which they purports to describe; but their meanings confuse his uses of their sound, the effect of his rhetoric is betrayed by his failure at logic; the real world eludes him as it eludes all who try to reconstruct it in terms of unexamined paradoxes within.

Nancy Blake

Malcolm X Audience Limited

To the Editor:

In a recent meeting, representatives of the MIT administration presented the Civil Rights Committee with a number of requirements concerning our presentation of Malcolm X (Nov. 8, 8:00 p.m. in Kresge). Among these requirements were:

- 1) Persons not in the MIT Community are excluded.
- 2) Specifically, members of the Boston press are excluded.

Among the explanations of these requirements offered was that the "MIT Image" might develop an excessive public identification with Civil Rights. The limitation to the MIT Community would make Kresge seem less like a public forum in the Boston newspapers and the "no press" requirement would make any comments at all less likely to appear.

The Administration feels that Kresge is being used excessively by non-MIT people, and that its use should be, in general, more restricted. They are also concerned with the possibility of a disturbance if there are too many people present, especially if many of them can't get in. The limitation to the MIT Community would then control both the size and composition of the audience.

(Please turn to page 5)

Kibitzer

By MICHAEL LINAH

One of the best parts of the all thirteen spades as dealer. game of bridge lies outside of the realm of exactitude. One might classify this realm as strategy. In its crudest form it consists of psyches. On a more sophisticated level there are more subtle false-cards. Finally, there are plays which could only be called artistic, for they are creative, designed to achieve what could not be had otherwise.

As an introduction to today's hand, here is an example of strategy taken from a par contest of twenty-five years ago. Playing pre-arranged hands, you pick up

What do you do? The stupid thing is to smile broadly, make many comments, look amazed, and finally boom out a resounding "seven Spades!"

Now you have announced to the whole world that you have all the spades, and your smile will quickly fade when your left hand opponent figures this out, and bids seven no trump. He holds eleven top hearts, and two aces, and easily makes the contract.

The whole point of the hand was to show the necessity of disguise. (Please turn to page 5)

WEST
♠ J 10 5 2
♥ 5 4
♦ Q 8 4
♣ J 6 3

EAST
♠ A K 9 8 6
♥ 3
♦ 9 6 2
♣ K Q 9 4

SOUTH
♠ 7
♥ A K 9 8 7 6
♦ A K J 10
♣ 7 5

East Dealt. North South were vulnerable.

EAST	SOUTH	WEST	NORTH
1 ♠	2 ♥	2 ♠	3 ♥
pass	4 ♥	4 ♠	double
pass	pass	pass	



PEANUTS appears daily and Sunday in the Boston Herald.

Letters:

(Continued from Page 4)

A moderate concern with the "MIT Image" is reasonable; however, the administration concern in this case is not moderate. Moreover, they have disregarded an important tradition — non — interference with student activities — and thereby established a dangerous precedent.

Although an educational institution concentrates its efforts on its own students, its ultimate responsibility is to the entire community. There is no reason why students from other colleges should not have a chance to purchase tickets after the MIT demand is filled. This requirement is also unfair to students who would attend with dates or friends from other schools.

The Administration's apprehensiveness also seems somewhat unjustified. Malcolm X has spoken at a number of schools without incident, among them: Simmons, Wellesley, Harvard, Harvard Law, Boston University. The limitation to MIT students hardly seems necessary to control the size of the audience. This could be accomplished more easily by limiting ticket sales to the number of seats in the house.

Ned Block
John Kramer
for the Civil Rights Committee

Educational Washington

WASHINGTON—The governing body of the American Association of University Professors has decided to "wait and see" if the state of Mississippi takes action against professors who opposed Governor Ross Barnett's segregationist policies. The security of professors at the University of Mississippi was reportedly the main concern at a closed meeting of the AAUP council, held Friday and Saturday, October 26-27, in Washington.

The AAUP is an association of some 55,000 professors at U.S. colleges and Universities.

As yet the AAUP has not learned of any specific threats to professors at Mississippi. Should reprisals be taken against "Ole Miss" professors, the AAUP will do everything within its power to guarantee academic freedom.

As its strongest action, the AAUP could recommend that the University lose its academic accreditation. This would make virtually worthless degrees from Mississippi.

The University of Mississippi is accredited by the Southern Association of Colleges and Schools, headquartered in Atlanta. According to an AAUP spokesman, the Association has taken an active part on behalf of the professors, and has been "trying to be a constructive influence" on the University of Mississippi.

Other than recommending that the University of Mississippi lose its accreditation, the AAUP could give financial assistance to professors who are fired and help them relocate. For the present, the AAUP is keeping its fingers crossed.

According to one source, professors at the University of Mississippi "feel the trustees of the University are more realistic than Governor Barnett . . . the trustees may very well not be dominated by the governor."

The AAUP council also discussed new legislation replacing the disclaimer affidavit in the National Defense Education Act student aid program. Although unofficially AAUP members are unhappy about the new provision, the council did not oppose the legislation. "Joining the NDEA program is up to the individual schools now," said one member of the AAUP council.

There was no public announcement of either the council's agenda or recommendations following the two day meeting. Recommendations are kept secret until the annual spring convention of the AAUP when they are submitted for ratification by the members.

It was learned, however, that the AAUP has sent letters to University of Mississippi officials asking them to notify AAUP if "there

AAUP Adopts 'Wait And See' in Miss.

should be any threat from without to the freedom of students, the faculty, the University, or higher education in Mississippi."

This is interpreted as a warning that the AAUP would be alert for any political meddling in University affairs by Governor Ross Barnett or any leaders of the segregationist White Citizens Councils which are influential in Mississippi politics.

The letters to Ole Miss officials stated that the AAUP "was ready to offer protection to teachers who might suffer because they have asserted their belief in non-segregation, or who have taken a position on the Meredith matter."

The letters were addressed to Chancellor John A. Williams and Board Chairman Charles Dixon Fair of the University of Mississippi. They were signed by AAUP President Fritz Machlup of Princeton University on behalf of the AAUP.

At NEC; No Charge

Bach Concert Is Offered

A Chamber Concert of Compositions by J. S. Bach will be presented by the New England Conservatory on November 7, at 8:30 p.m. in the Conservatory's Jordan Hall.

Under the direction of Jerome Cohen, assistant to the Conductor of the Conservatory Orchestra, members of the orchestra will play the Brandenburg Concerto No. 3, Cantata No. 51, Violin Concerto No. 2 in E major and suite No. 3.

Jerome Cohen, the concert director, has recently been appointed Conductor of the Needham and Plymouth Philharmonic Orchestras. His composition, Concert

Overture No. 1 was performed by the Boston Pops Orchestra in 1959 under Mr. Cohen's direction.

There will be no admission charge for this concert. It will be broadcast on WGBH-FM at the same time.

Kibitzer

(Continued from Page 4)

ing your holding from the opponents. In fact, nine out of ten of the life masters who held the hand with all the spades passed originally, and then let themselves be PUSHED into sacrificing against seven hearts. They received the top score, and were careful not to redouble!

Looking at today's hand, it is obvious that four hearts can be made with ease with the North South hands. This is fine, but when South readily bid the game, West was there to bid four spades. North South started out with a vulnerable game to their credit, and wound up with only 100 points, for four spades doubled, down one.

Let's put a real pro in the South seat. After East's opening bid he overcalls Two Hearts. He listens intently as West bids two Spades and his partner bids three hearts. East passes. Now south PASSES, without a care in the world. West could not resist a three spade bid, and after two more passes, South lets himself be pushed into four Hearts. Now there is a reasonable chance he will be left there, perhaps even doubled. Note that South never even risked anything, because three hearts making four is worth more than four spades doubled down one.

The only thing certain about this hand is that North South are cold for four hearts. Revealing this fact to the opponents made it easy for them to find the sacrifice. South merely realized which side he was on and acted accordingly.

Answer to last week's hand:

PUZZLER

Partner opens with three spades, and you hold:

♠ Q 10 3, ♥ K J 7, ♦ K J 9 3, ♣ Q J 10

What do you bid? Pass. There is only one other place besides three spades at which you would like to play this hand, and that is any contract by the opponents, doubled of course.

This Week's Hand:

You, South hold:

♠ Q J 10 4, ♥ —, ♦ 10 7 5 2, ♣ K J 8 5 3

The bidding has proceeded:

	SOUTH	WEST	NORTH	EAST
pass	1 ♥	pass	1 no trump	
pass	2 ♥	double	pass	

What do you bid now?



"Tareyton's Dual Filter in duas partes divisa est!"

says Gaius (Silver Tongue) Cicero, star orator of the Coliseum Debating Team. "I could talk about Tareytons ad infinitum," says Silver Tongue. "And you'll find vox everywhere singing their praises. Here's de gustibus you never thought you'd get from any filter cigarette."

Dual Filter makes the difference

DUAL FILTER Tareyton
Product of The American Tobacco Company - Tobacco is our middle name © 1962

RACQUETS RESTRUNG
Prompt Service
Tennis & Squash Shop
67A Mt. Auburn St., Cambridge
(Opp. Lowell House)
TR 6-5417

Making the Scene

MUSIC

New England Conservatory Orchestra—Each chamber music, Jordan Hall, 8:30, free.

Boston Symphony Orchestra—Nov. 9, 2:15, Nov. 10, 8:30, Symphony Hall; Schubert "Unfinished" Symphony, Bartok Piano Concerto No. 2, Mendelssohn incidental music to "A Midsummer Night's Dream."

New York String Sextet—Chamber music of Mozart, Schubert and Brahms, Kresge Auditorium, Nov. 11, 3 p.m., tickets \$2.50, series (5 performances) \$9.

Maurice Frier—Violinist, Jean Hubeau, pianist, Nov. 11, Gardner Museum, 3 p.m.

Tony Bennett—Nov. 9, 8:30 p.m., Symphony Hall; tickets \$2.50, \$3.50, \$4.50, \$5.50.

New Lost City Ramblers—Bonnie Dobson and Jackie Washington, Jordan Hall, Nov. 10, 8:30; tickets \$3.50, \$2.50, \$2.20.

New England Conservatory Chorus—World premiere of Fritz Buchter's "John the Baptist" conducted by the composer, Jordan Hall, 8:30, Nov. 13, free.

MISCELLANEOUS

LSC Classic Series—"Hiroshima Mon Amour," Nov. 9, Aladin Reamals' worthy predecessor to "Last Year at Marienbad." This is the beautifully directed and photographed story of the relationship between a French girl and a Japanese man after the Hiroshima blast. (France, 1960), Kresge Audit., 6:30, 9:00.

LSC Entertainment Series—"One, Two, Three," Kresge Audit., 5:15, 7:30, 9:45; James Cagney, Horst Bucholz, Pamela Tiffin. A Coca-Cola executive in Berlin, aiming for a promotion to the top London Post, sees his plans go awry when his American boss' visiting daughter becomes involved with an East Berlin beatnik.

Owen Lattimore—"Between China and Russia: The Least Known Frontier

in the World," Ford Hall Forum, Jordan Hall, 8:00, Nov. 11.

NEXT WEEK MUSIC

Dietrich Fischer—Symphony Hall, Nov. 14, 8:30.

Teresa Berganza—Mezzo-soprano, Harvard Square Theatre, Nov. 15, Harvard Square Concert Series.

Curtis String Quartet—Nov. 18, 3 p.m., Gardner Museum.

Pittsburgh Symphony Orchestra—Nov. 18, 3 p.m., Symphony Hall.

Fritz Buchter—Conducting MIT Choral Society, American premiere of his Christmas Oratorio, Nov. 18, 3 p.m., Kresge Auditorium; tickets, unreserved, \$1.50.

MISCELLANEOUS

Loeb Drama Center Experimental Theatre—"The Unweeded Garden of Cora Jenks," by Carter Wilson; Nov. 8-11, 8:30 p.m.; tickets \$1.50, \$2, Fri. Sat.

Loeb Drama Center—"The Ghost Sonata," Strindberg, Nov. 16-24, 8:30; no Sunday performances; tickets \$1.50, Friday and Saturday \$2.00.

Variety Show—"Broadway for Hire," at New England Conservatory, presented by Mass. General Hospital School of Nursing, Nov. 15-18, 8:00 p.m.; tickets \$1.00.

ACTOR'S PLAYHOUSE—"Gallows Humor," Tues.-Thurs., 8:40, Fri.-Sat., 7:30, 9:30, Sun., 8:40.

CHARLES PLAYHOUSE—"Three Penny Opera," Tues.-Fri., 8:30, Sat. 5:30, 9:00, Sun., 3:00, 7:30.

HOTEL SOMERSET—Compass Improvisational Theatre, Tues.-Wed., 9:00; Thurs., 9:00, 11:00; Fri.-Sat., 9:00, 11:30; Sun., 8:00, 10:30.

LOEB DRAMA CENTER EXPERIMENTAL THEATRE—"The Unweeded Garden of Cora Jenks," Nov. 8-11, 8:30 p.m.

SHUBERT—"Gondoliers," Nov. 7, 2:30, 8:30; "Iolanthe," Nov. 8-9, 8:30; "Moby Dick," starting Nov. 12, 8:30, mat. Wed., Sat., 2:30.

WILBUR—"Never Too Late," eves., 8:30; Wed., Sat., mats., 2:30.

Weekdays: 3 P.M. - 3 A.M.
Sundays: 4 P.M. - 3 A.M.

HICKORY PIT

Southern Hickory Smoked
BARBECUE RIBS
TASTY MEXICAN FOOD
Orders to take—Delivery service
Telephone GA 7-8982
435 Blue Hill Ave at Grove Hall
Proprietors: Springer & Steward

Open from 12 noon to 12 p.m.
Phone 536-2845 Air Conditioned

CHUNG SAI

Chinese and American Food
Fine Cantonese Cooking
Orders Put Up To Go Out
Cocktails — Liquors
25 Mass. Ave., cor. Beacon St.

theatre...

Wilbur Theatre Hosts 'Never Too Late'

By David Johnson

Sumner Arthur Long, a native Bostonian, has sired a comic gem with his first stage play, "Never Too Late." The basic idea of this three-act comedy is pregnant with possibilities for hilarious development. A couple, in their early fifties, learn that they are going to have an unexpected baby. The fact that their adult daughter and her husband are living carefree lives as permanent guests of the parents-to-be further enriches the possibilities of a rich comedy.

The play is essentially a situation comedy which calls for lightly touching upon some of the many mirthful results of the forthcoming birth. The second scene of Act II, however, drags just a bit because Mr. Long's script goes too deeply into a minor result of the unexpected event. Mrs. Edith Lambert, the mother-to-be, begins spending with youthful abandon. The situation is humorous, but it is carried too far.

Harry Lambert is an ultra-conservative business man in a small Massachusetts town. The role seems to have been written especially for Paul Ford. Mr. Ford is best known for his roles as a Colonel in both "Teahouse of the August Moon" and the Sgt. Bilko series and as Mayor Shins in "The Music Man." This role as Harry Lambert is a combination of the characters above. Mr. Lambert is extra thrifty, but

NEVER TOO LATE, by Sumner Arthur Long, produced by Elliot Martin and Daniel Hollywood; directed by George Abbot; setting and lighting by William and Jean Eckart; costumes by Florence Klotz; music by Jerry Bock and Sheldon Harnick and John Kander. At the Wilbur Theatre, Boston.

THE CAST
Grace Kimbrough . . . Leona Maricle
Edith Lambert . . . Maureen O'Sullivan
Dr. James Kimbrough . . . House Jameson
Harry Lambert . . . Paul Ford
Charlie . . . Orson Bean
Kate . . . Fran Sharon
Mr. Foley . . . Wallace Engelhardt
Mayor Crane . . . John Alexander
Policeman . . . Fred Burtel

everything he owns is "solid copper" or "the best money can buy." When the baby is announced, his son-in-law tells him, "I didn't even think you . . ." Paul Ford plays the part grandly. His voice, expression, and timing are superb. His movements and stage presence are not perfection, but they come close.

Orson Bean as Charlie, the son-in-law, adds just the sparkle necessary for a successful comedy. Bean and Ford make an excellent team. Mr. Bean is relaxed and uninhibited, but he always maintains the character of the eager, though bungling, son-in-law. Orson Bean's performance is at least as good as Paul Ford's. The Ford-Bean drunken scene of Act III will certainly be one of Broadway's best comedy scenes for many years to come. The opening night

audience roared with laughter. The pleasant fatigue of prolonged laughter from the scene above is worth more than the price of admission.

Maureen O'Sullivan as Edith Lambert does an excellent and realistic portrayal in a role which gives her few opportunities to reveal what an excellent actress she really is. She happens to be the only member of the cast who did not take some time on opening night to settle into her role.

The surprise opening night was Fran Sharon. Her role as the daughter Kate is much larger and more finely executed than her rank on the playbill would indicate. She has played mainly in TV "soap operas" and has done bit parts in mediocre productions. Her role in "Take Her, She's Mine" was unimpressive. Whether it is the script, inspired direction, or plain hard work, she is a bright spot in a stellar company. She stays "in character" as the spoiled and previously idle daughter better than any of the other leading players manage to do. Fran Sharon has either finally become an actress, or she has finally been given an opportunity to display her skill. Voice control is her only problem, and that is slight.

The set is a masterpiece. Shrubbery can be seen when the outside door opens, and the lighting through the curtains indicates the time of day. The set is realistic, well proportioned, and never impedes the action.

Costuming and music are both excellent. The ladies of the first audience seemed especially impressed with the dresses for Misses O'Sullivan and Sharon. The music is played by bassoon, steel guitar, marimba, and percussion. The chords are novel and the overall sound unique and whimsical — like the play itself.

"Never Too Late" is a sprightly little jewel. Drunks who "don't drink," bathroom fixtures in the living room, and plans for an unborn baby to be "John Fitzgerald Lambert, Republican President of the U. S. A. — you don't think being Protestant will hurt his chances?" help make this play the gayest, funniest, and most relaxing comedy to appear in quite awhile. This is a play to see.

WHAT PUT IT ON TOP?



Flavor! Full flavor in a filter cigarette.

That's why Winston is America's best-selling filter cigarette! Next time, smoke Winston.

PURE WHITE,
MODERN FILTER



PLUS FILTER-BLEND UP FRONT

Winston tastes good
like a cigarette should!

©1962 R. J. Reynolds Tobacco Company, Winston-Salem, N. C.



NEWBURY'S
STEAK HOUSE
94 Mass. Ave., Boston

THIS COUPON
WORTH 50¢

Towards Any
Dinner Over \$1.76

Good Until Nov. 21

The 7's Productions present
THE MOONSHINERS
at Jordan Hall
Friday Evening, Nov. 16
at 8:30 P.M.
Tickets: \$1.75, \$2.50, \$3.50
Mail Orders:
77 Charles St., Boston LA 3-8745

E. M. LOEW'S
CENTER THEATRE
Washington at Stuart St.
NOW — FIRST SHOWING

**"A SHOCKER...
suspenseful...
tension runs high."**

—Dorothy Masters, N.Y. Daily News

**"Makes
'Les Liaisons
Dangereuses'
seem sophmoric."**

—Paul V. Beckley, N.Y. Her.-Tribune



**ODD
OBSESSION**
Starring MACHIKO KYO

— plus second feature —

"PAGAN ISLAND"

**WANT TO IMPRESS
YOUR DATE...EARLY OR LATE?**

**DINE HER
AND WIN HER**

She'll appreciate your good
taste in the distinctive atmos-
phere of the NEW Smith House.
Conveniently located, superior
cuisine, attentive service. Open
7 days a week 'til midnight

- COCKTAIL LOUNGE
 - DINNER
 - LATE EVENING MENU
 - LUNCHEON
 - COFFEE SHOP
 - BANQUET ROOMS
- Convenient Parking

**THE NEW
Smith
House**

500 Memorial Drive
Cambridge

"For Dining Delight, Eat Out Tonight"

SOUTH SEAS

21 HARRISON AVE.
HA 6-4210
(Between Essex & Beech
Streets, Boston)
ISLAND & CANTONESE
FOOD • EXOTIC DRINKS
Authentic Hawaiian Luau
Moderate Prices
11 a.m.-3 a.m.
Daily & Sunday

theatre...

Dramashop Presents Evening Of One-Act Plays

By Paul A. Zakrzewski

The MIT Drama Shop should be com-
mended on its choice of two difficult one act
plays by distinguished playwrights of this
era. The first play on the program was the
"Dumbwaiter" an early work by the young
English playwright, Harold Pinter, who
caused quite a stir when his first full length
play "The Caretaker" was produced in Bos-
ton and New York last season.

Mr. Pinter's talent as a writer lies in his
ability to depict the most morbid and ter-
rifying aspects of life and to blend this with
the humorous. The "Dumbwaiter" is a
story of two hired killers, Ben and Gus, wait-
ing in a room of a run down hotel for the
final instructions concerning their next vic-
tim.

Ben, the more intelligent and calmer of
the two spends his time reading a newspa-
per while Gus constantly interjects trite ob-
servations about life and the situation on
hand. With each comic exchange, the ten-
sion begins to mount. Finally Ben receives
the call about the next victim while Gus is
getting ready in the next room. Suddenly
the front door opens and Gus is hurled into
the room by some unknown force and he
becomes the next victim.

This production directed by Roger Gans
lacked force. It was never clear what he
was getting at. As a result the actors ram-
bled on aimlessly. The production never
built to a climax since the underlying tension
never came through. Pinter does leave many
questions unanswered in the play but the job
of the director is to answer these questions
to the best of his ability for the actors so
that in turn they can create a full situation
for the audience. As a result the actors cre-
ated caricatures and never got below the
humorous level of the play. Part of this fault
may also lie in the fact that the actors
weren't sure of their lines.

The cut away setting designed by James
Dorr did not help matters. It was so ob-



Ed Gibson (left) and Dick Nalbandian
play in Drama shop's production of
"The Dumbwaiter" last Friday night in
Kresge's Little Theater.

—Photo by Conrad Grundlehner

viously dreary that the total effect was lost.
The placement of beds against the back wall
prevented the actors from moving about
freely and resulted in awkwardness in stag-
ing. The lighting was too artificial to convey
the mood of the play. The Key to designing
a production of this sort is—Simplicity.

The second half of the program was
"Song of Songs" by Jean Giraudoux in which
he deals with the problems of love. A young
woman Florence comes to a cafe to meet
her aged lover, the President. She tells him

MIT Drama Shop presents
An Evening of One Act Plays Supervised by
Joseph D. Everingham and Helen Brumby
Friday, November 2, 1962
DUMBWAITER, by Harold Pinter. Directed
by Roger Gans '63; scenic designer James
Dorr '63; lighting designer Robert Campbell
'63.

PLAYERS
Ben Dick Nalbandian '63
Gus Edward Gibson '64
SONG OF SONGS, by Jean Giraudoux. Di-
rected by Hans Picard, G; lighting designer
Robert Campbell '63; scenic designer Con-
rad Jaffe '64.

PLAYERS
President Rob Lanchester '63
Victor Ralph Wiggins G
Cashier Caroline Crawford
Jerome Tim McGettigan '66
Florence Phyllis Masek
The Jewel Spirit Fran Tucker
The Manager John Bowle
Chauffeur Joseph Morrian
First Gypsy Judy Beels
Second Gypsy Jacqueline Bayer
Suicide Roger Gans

she is about to marry a young man Jerome
that afternoon. Through a series of speech-
es she begins to tear the young man down;
this becomes her lament or song. As she
reaches the peak of her disgust with him
she begins to rebuild him again and finally
convinces herself how really fine he is which
allows her to choose Jerome over the Presi-
dent in the end.

The production directed by Hans Picard
was generally well handled. The staging was
good which gave the production fluidity. The
main problem was a lack of variety. Phyllis
Masek was a fine choice for Florence. As
an actress she is lovely, moved well and
had an understanding of the girl's fickleness.
She could have worked for sharper contrast
in the character.

As the President, Rob Lanchester was
credible, elegant, sympathetic. Caroline
Crawford as the Cashier was delightful with
a fine sense for comedy. Unfortunately the
rest of the cast was not up to challenge. The
out door cafe setting by Conrad Jaffe was
perfect, it did much to enhance the mood.
The lighting also deserves a mention. All in
all it was an evening well spent at the
theatre.

movie schedule

Wed., Nov. 7 through Tues., Nov. 13
(Unless otherwise stated, the Sunday
schedule is the same as the weekday
schedule except no movies are shown
before 1 p.m.)
ASTOR — "The Longest Day," 8:15;
Wed., Sat., Sun., 2:00; Sun. 7:30.
BEACON HILL — "Phaedra," 9:30;
11:30, 1:30, 3:30, 5:30, 7:30, 9:30.
CAPRI — "Gigot," 9:30, 11:30, 1:30,
3:30, 5:30, 7:30, 9:30.
COMMUNITY PLAYHOUSE — "The
Music Man," Evens., 7:45; Mats.
Wed., Sat., 2:00; Nov. 12, mat. 2:00.
COOLIDGE CORNER — "Carry On
Teacher," 2:00, 7:45, 9:40, Sun.,
1:50, 3:45, 5:50, 7:50, 9:45; "Circle
of the Sun," 1:30, 7:15, 9:10, Sun.
1:15, 3:15, 5:15, 7:20, 9:15.
EXETER — "The Island," 2:15, 4:00,
5:50, 7:40, 9:30.
FENWAY — "Question 7," 1:00, 3:00,
5:00, 7:00, 9:00.

FINE ARTS — "The Ninth Circle,"
mat. Sat., Sun., 4:00; evens., 7:15,
10:00; "Lady Killers," mat., Sat.,
Sun., 2:30; evens., 5:40, 8:45.
GARY — "Barabbas," evenings, 8:30;
mat., Wed., Sat., 2:30; Sun., 2:30,
5:30.

JOHN HANCOCK — "Richard III,"
Nov. 7, 7:00, 9:30; Nov. 8, 10, "Othel-
lo," evens., 7:00, 10:00, Sat., mat.,
4:00; "Oedipus Rex," evens., 5:30,
8:30, Sat. mat., 2:30; Nov. 11-13,
"Romeo and Juliet," evens., 7:00, 9:30,
mat., Nov. 12, 2:30.

KEITH MEMORIAL — "Whatever
Happened to Baby Jane," 10:50,
2:25, 6:00, 9:35; Sun., 2:20, 5:55,
9:30; "Payroll," 9:30, 1:05, 4:40,
8:15; Sun., 1:00, 4:35, 8:10.

LOEW'S ORPHEUM — "Convicts
Four," 11:35, 2:50, 6:10, 9:25, Sun.,
2:35, 5:50, 9:10; "Frightened City,"
10:30, 1:25, 4:45, 8:00, Sun., 1:10,
4:25, 7:45.

MAYFLOWER — "The Chapman Re-
porter," 9:30, 11:45, 2:05, 4:30, 6:50,
9:15; Sun., 1:15, 3:45, 6:15, 8:45.
MIT — Friday, "Hiroshima mon Amour,"
Kresge Audit., 6:30, 9:00; Saturday,
"One, Two, Three," Kresge Audit.,
5:15, 7:30, 9:45; Sunday, "Fast and
Sexy," Room 10-250, 5:15, 7:30, 9:45.

PARAMOUNT — "Roman Holiday,"
9:20, 1:20, 5:25, 9:30; "Sabrina,"
11:20, 3:25, 7:30; Nov. 13 only,
"Maytime," no times available.

PARK SQUARE CINEMA — "Divorcee
Italian Style," 1:30, 5:30, 7:30, 9:30.
PILGRIM — "The Interns," 9:30, 1:25,
5:30, 9:25; Sun., 1:25, 5:30, 9:30;
"Best of Enemies," 11:30, 3:35, 7:40;
Nov. 7-11 only.

SAXON — Nov. 7-12, "Requiem for a
Heavyweight," 10:00, 11:35, 1:10,
2:55, 4:40, 6:25, 8:10, 9:35; Sun.,
1:00, 2:45, 4:30, 6:15, 8:00, 9:45.

UPTOWN — "And God Created Wom-
an," 11:00, 2:40, 6:20, 10:15; Sun.
and Mon., 2:30, 5:40, 9:35; "The
Truth," 12:25, 4:16, 7:55; Sun. and
Mon., 3:05, 7:15.

E. C. Floor Presents

Gina Lollobrigida

In 'Fast and Sexy'

"Fast and Sexy," starring Gina
Lollobrigida will be the movie
sponsored by the residents of the
fifth floor east parallel of East
Campus. The movie will be pre-
sented in room 10-250 Sunday
evening, November 11, at 5:15
7:30, and 9:45. Admission will be
30 cents.

Proceeds will support a project
for a group of boys from a local
Boys' Club. They will be given a
tour of the Institute, including
demonstration lectures and a
demonstration of the TX-O com-
puter and a party on the floor.
This is going to be a repeat of a
similar project last year.

Leftover money will go for pub-
lic and permanent hall improve-
ments.

The MIT GLEE CLUB

conducted by Professor Klaus Liepmann, Institute Director of Music

Just returned from a joint concert with the Smith College choir

Announces the remainder of its concert season.

Concerts with:

RADCLIFFE, SMITH, WHELOCK, DOUGLASS, and MOUNT HOLYOKE

Works by:

Bach, Barber, Hayden, Sibelius, Poulenc, Schubert and others

Auditions will be held for a few remaining openings in

KRESGE AUDITORIUM

Rehearsal Room A, Today, Thursday, and Tuesday, November 13, at 5:00 p.m.

Beat Generation Poetess To Give Reading in Hayden

Denise Levertov, author and beat generation poetess, will be the first guest reader in the second annual MIT Poetry Series. The reading will be given tomorrow night at 8:00 in the Hayden Library Lounge.

Miss Levertov, whose poetry has been described as "nervous and vital" and showing "consistent brilliance" is the author of such books as *The Double Image* and *The Jacobs Ladder*. In 1961 she was the poetry editor of *The Nation* magazine.

Born in London and raised in suburban Essex, she is the daughter of an Anglican clergyman and a Welsh mother. Educated at home, she studied ballet for a while and worked as a nurse during the war. Her first book was published in 1946.

Admission to the reading, which is sponsored by the Department of Humanities, is free.

Sunday Evening NOVEMBER 11 at 8 o'clock

OWEN LATTIMORE
"Between China and Russia:
The Least-Known Frontier in the World"

FORD HALL FORUM
JORDAN HALL — Gainsboro St. cor. Huntington Ave. — BOSTON
DOORS OPEN 7:45 P.M. EVERYBODY WELCOME

ISRAELI FOLKDANCE NIGHT

every Tuesday at 7:30

Leader, David Furash of the Orgay Zemer Troupe

Coordinator, Lynn Sherman, President, Boston University, S.Z.O.
Sponsored by the Student Zionist Org.

PERFORMING DANCE GROUP AT 8:45

Held at B.U. Hillel House, 233 Bay State Road

\$ CALIFORNIA \$
ROUND TRIP AIR FARE plus tax
from \$160 to \$206 — Meets
Why pay more?
RALPH GORDON
Student Rep., CO 6-0122
Other Flights: Chicago & Florida

Goodyear Snow Tires
Tire Mart
Discounts to Tech Affiliates
New and Used Tires—All Cars
Brakes Installed Mufflers
\$12.95 \$8.95
SPECIAL
Permanent Antifreeze \$1.39 gal.
185 Broadway (cor. Portland)
Cambridge
EL 4-8649 UN 4-8989

HARVARD SQ. UN 4-4580

Wednesday, Review Day
"THE MARK"
1:30, 5:20, 9:20
"LA BELLE AMERICAINE"
3:40, 7:35
Starts Thursday
"THE INTERNS"
1:15, 5:15, 9:30
"MY GEISHA"
3:10, 7:20

BRATTLE SQ. TR 6-4226

"VIRIDIANA"
5:30, 7:30, 9:30
Sat. 3:30, 5:30, 7:30, 9:30
Starting Sun., Antonioni's
"LA NOTTE"
3:00, 5:15, 7:30, 9:45
Weekdays 5:15, 7:30, 9:45

WTBS Schedule

SUNDAY:	8:00—This is the Blues
5:00 p.m.—News	9:00—News
5:05—Folkside	9:05—Masterworks
6:30—Jazz by the Seven Sons of Harvard	12:00 p.m.—Jazz at Midnite
7:00—Music at M.I.T.	1:00—News
8:00—Boston Arts Festival 1962	1:05—Sign Off
9:00—News	THURSDAY:
9:05—Classroom Concert	morning: same as Mon.
12:00 p.m.—Jazz at Midnite	6:00 p.m.—Tempo
1:00 a.m.—News	6:50—News
1:05—Sign Off	7:00—News
MONDAY:	7:00—Jazz Special
7:30 a.m.—Rise and Shine	9:00—News
8:00—News	9:05—Nite Owl (Music by tele. phone request—Kirkland 7-7862)
8:05—Rise and Shine (cont'd)	2:05—Sign Off
8:45—Sign Off	SATURDAY:
6:00 p.m.—Tempo	3:00 p.m.—Rock and Roll Memory Time
6:50—News	5:00—News
7:00—The Barry Douglas Show	5:05—Jazz Spot-lite
8:45—Jazz from Canada	6:50—News
9:00 p.m.—News	7:00—Departures in Music
9:05—Masterworks	9:00—Folk Music from Club 47 (broadcast live)
12:00 p.m.—Jazz at Midnite	10:00—News
1:00—News	10:05—Nite Owl (Music by tele. phone request—Kirkland 7-7862)
1:05—Sign Off	2:00 a.m.—News
TUESDAY:	2:05—Sign Off
morning: same as Mon.	
6:00 p.m.—Tempo	
6:50—News	
7:00—The Barry Douglas Show	
8:45—Jazz from Canada	
9:00 p.m.—News	
9:05—Masterworks	
12:00 p.m.—Jazz at Midnite	
1:00—News	
1:05—Sign Off	
WEDNESDAY:	
morning: same as Mon.	
6:00 p.m.—Tempo	
6:50—News	
7:00—CBC Presents	

movies...

'Ninth Circle' at Fine Arts Is Set In Nazi Occupation

By Gilberto Perez · Guillermo

"The Ninth Circle," is one of the five foreign films nominated for an Academy Award this year. (A pageant that has ignored masterpieces like "L'Avventura," "La Notte" and "L'Annee Derniere a Marienbad," among many others, can obviously be no claim to cinematic achievement.) It is a Yugoslav film, set during the Nazi occupation of that country. In order to protect a Jewish girl, a Yugoslav family decides to marry her to their son. As would be expected, the formal relationship develops into love. Eventually, she is captured by the Nazis and taken to a concentration camp. I leave it to you to guess the remainder of the story.

"The Ninth Circle" shares with other recent films from Communist countries a black-and-white view of human values, a repertory of camera tricks with a strong Welles influence and a series of war-film cliches. (With significant exceptions like Wajda's "Ashes and Diamonds" and Karel Zeman's "The Fabulous World of Jules Verne, both masterpieces.) The film achieves its best moments in simple scenes: the Jewish girl out in broad daylight after a long reclusion, playing gayly in the park during an air alarm; a close-up of the girl with the roar of a police car in the background, as the Gestapo take away her family.

However, subtler points do not come across so well: all too often long verbal explanations of the actions have to be inserted, result-

THE NINTH CIRCLE. Directed by France Siglic; screenplay by France Siglic and Vladimir Koci; photography by Ivan Marinkic; music by Branimir Sakac. At the Fine Arts Theater, 80 Norway St., Boston; running time 90 minutes.

THE PRINCIPALS
Ruth Dusica Zegarac
Ivo Boris Dvornik
A Yugoslav film with English subtitles.

ing in an unrealistic, dramatically inadequate, dialogue. The story, which was not too subtle in the first place, becomes even less so by the director's failure to convey its more complicated aspects. People are either "good" or "bad," nothing in between; the husband and wife, who at first generously sheltered the girl and later decide to protect their son's future rather than her safety, are "good" at the beginning, "bad" at the end, with no transition and no character insight.

Camera tricks are present, but none of them are original or have any dramatic value. (How many times have I seen that shot of people running downstairs?) With the exception of the final scene which is indeed touching and cinematically clever, the scenes in the concentration camp fail to be moving. A quick remembrance of Rossellini's "The Open City" made the failure even more obvious. However, especially through Dusica Zegarac's sensitive performance as the Jewish girl, the film achieves instants of human interest and dramatic value. It is unfortunate to see them disrupted by the cliches and the verbose explanations.

The second feature at the Fine Arts is the much overrated but nevertheless often funny British comedy, "The Ladykillers." Alec Guinness offers a superb performance, and even if some of the effects do not come through, the film is consistently pleasant, with many laughs.

Ski Instructors

Week-end positions available for skiers to instruct high school boys and girls. Prior instruction experience not required. Good compensation. Excellent ski facilities. Write or call:

Shaker Village Ski Group
P.O. Box 1149
Pittsfield, Massachusetts
Lebanon Springs (N.Y.)
7-1255

Contact Lenses — Prescriptions Filled — Glasses Repaired
UNITY OPTICAL CO.
Abe Wise, Licensed Optician
31 Mass. Ave. COpley 7-1571
Special prices to MIT community
Nearest Optical House to M.I.T.



**SKI
THIS
NEW
YEAR'S
AT
MT. SNOW**

SPECIAL STUDENT SKI TRIP

Mt. Snow—West Dover, Vt.

The World's Largest and Most Exciting Ski Resort
5 Fabulous Days — 4 Fun-Filled Nights

Friday, Dec. 28 thru Monday, Jan. 1

Trip transportation—Travel to and from all ski areas—
Dormitory accommodations—Two hearty meals a day
—Gala New Year's Eve party.

FREE SKI INSTRUCTION!!!

PLUS — Mt. Snow's Fabulous Facilities — dancing —
splash and skate parties at the famous heated pool and
indoor skating rink — cheese fondue parties.

Everything to guarantee a tremendous holiday in
this Winter Wonderland

FOR ONLY \$69.50

Reservations now being accepted—Accommodations limited. Deadline Nov. 20—\$25 per person deposit will hold your reservation until Dec. 10. Mail attached coupon with deposit to:

Entertainments Unlimited Ski Club, P.O. Box 633, Framingham

For further information call 235-9180 or 235-9186

SPECIAL BONUS—The Ski Club has made arrangements with several Greater Boston ski shops to provide you with special discount prices on ski equipment and apparel before the trip. Reference provided on receipt of your order.

Entertainments Unlimited Ski Club, P.O. Box 633, Framingham, Mass.

Please accept my reservation for people.

Please reserve rental skis, boots and poles for people.

Enclosed please find check for \$..... (\$25 per person) or

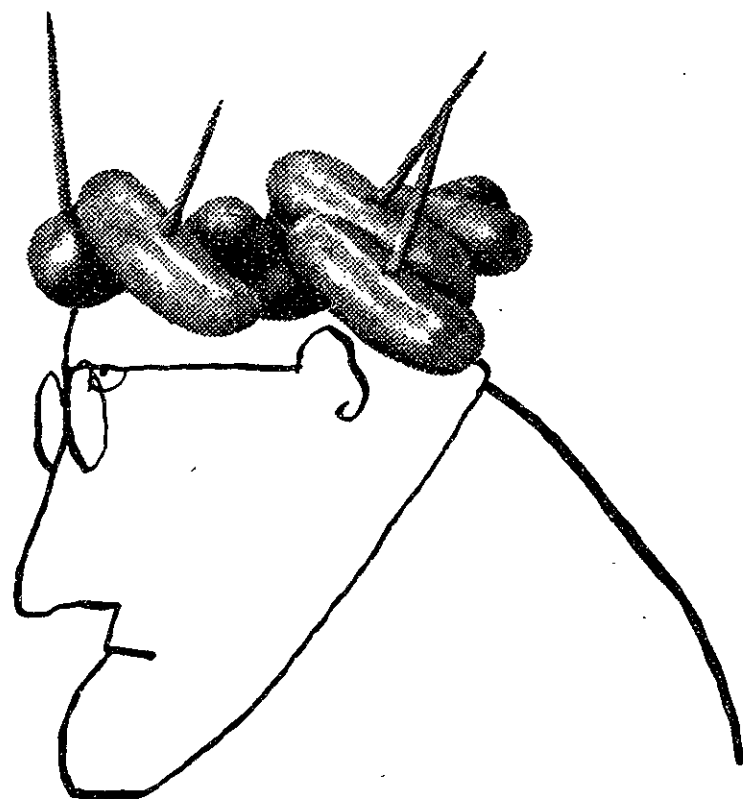
\$..... full payment (\$69.50 per person).

Name

School Address

City or Town

Phone



Frank talk about your hair: Vitalis with V-7 keeps your hair neat all day without grease. Naturally V-7 is the greaseless grooming discovery. Vitalis® with V-7® fights embarrassing dandruff, prevents dryness, keeps your hair neat all day without grease. Try it!



Buy Vitalis at THE COOP

TCA, CRC, DeMolay Begin Roxbury Tutorial Project

By Ralph E. Grabowski

Tech students will start tutoring Roxbury children in mid-November as part of the Roxbury Tutorial Project.

Educational and cultural factors combine to prevent the solution to many of Roxbury's chronic problems," said Dick Schmalensee '65, Tech's Intercollegiate Program Director. "The school system and the popular culture produce a relatively unskilled population with both low ambition and narrow perspectives."

The Roxbury Tutorial Project, a joint effort of Boston area colleges and the Roxbury Community Council, is attempting to break this pattern by using student tutors as educational supplements and cultural stimulants. "The tutorial experience can thus be a very valuable one, for the instructor, the student, and the community as a whole," Dick added.

Tutoring of first through twelfth graders will be in Roxbury settlement houses. The Technology Community Association, the Civil Rights Committee, and DeMolay are recruiting Techmen now for the 3-5 and 7-9 weekday and all day Saturday sessions. Students are expected to tutor one or more periods a week.

Contact Dick Schmalensee at X3217 or CI 7-8048 for information and application blanks. Other Boston Colleges participating are Simmons, Harvard, Boston University, Brandeis, Boston College, Emmanuel, and Leslie.

Dr. Miser Analyzes Formation Bombing

By Richard Russell

"Formation Bombing in World War II" was the topic of an Operation Research Seminar last Wednesday. Discussing the development of precision bombing techniques was Dr. Hugh J. Miser of the Mitre Corporation in Bedford, Mass.

Dr. Miser told his audience that the month marked the 20th anniversary of the first attempt made to analyze the formation bombing of the U. S. Eighth Air Force. In 1942, bombs dropped over Germany had been landing with less than one per cent accuracy. Policy had individual planes dropping bombs at intervals of about a second, with precision the object.

The Operations Analysis Section took command of the situation. Installing cameras in the bombers, they obtained evidence of bombing effectiveness. With dot graphs representing hits and concentric circles showing the intended target, the Section could determine

where, why and how the bombs were landing. Several faults appeared.

First, the 500-pound bombs being used were too small. Dr. Miser pointed out that 100 such bombs would eliminate about a dozen classrooms (and perhaps 20-30 students and professors) if a run were made on MIT. Next, the Section exploded the myth that a quantity of bombs dropped at the same instant would collide and explode just under the plane. This myth had been responsible for the intervalometer, a device which dropped bombs one at a time. Colonel Curtis E. LeMay, long a leader in Air Force innovations, was the first pilot to try the new salvo bombing method, using the recommended 1000 - 2000 - pound bombs. It was also found that mass bombing by a group of planes was more effective if all bombardiers "laid their eggs" at the same time as the lead bomber. This resulted in a tighter pattern. Officers pointed out that such tight patterns did not hit the target as frequently as the old, drawn-out patterns. However, the Analysis Section showed that destruction was more thorough when the tight pattern did hit the target.

The Section also showed how three 900' x 1200' "boxes" of 12-18 B-17's were more effective than just one box.

The result of the Section's work was an increase in American bombing efficiency.

Dr. Miser's talk was implemented by many slides of actual Air

Force bombing run photographs. In two instances, the Ragensburg, Germany run and the Paris Renault factory run, the word "CONFIDENTIAL" was scratched out at the bottom of the slides. Frequently pausing to relate anecdotes on the people involved in the project, Dr. Miser showed how even this coldly mathematical approach to war had its human side.

Dr. Miser, a graduate of Vanderbilt College, was teaching mathematics at Appleton, Wisconsin's Lawrence College in 1944, when he received a long-distance call from Washington asking for his aid. Responding quickly, he became one of the foremost interpreters of bombing data and gained personal contact with the current leaders in the field of operations analysis. He is now president of the 10-year-old Operations Research Society of America.

Kingsberry Homes Announce Competition

Kingsberry Homes Corporation of Chamblee, Georgia, has announced the opening of a national design competition for architects, builders, engineers, draftsmen and architectural and engineering students from throughout the country, with total prize money amounting to \$1,900.00 and a first prize offering of \$1000.00. The competition will run until March 15, 1963.



THE CLEAN WHITE SOCK

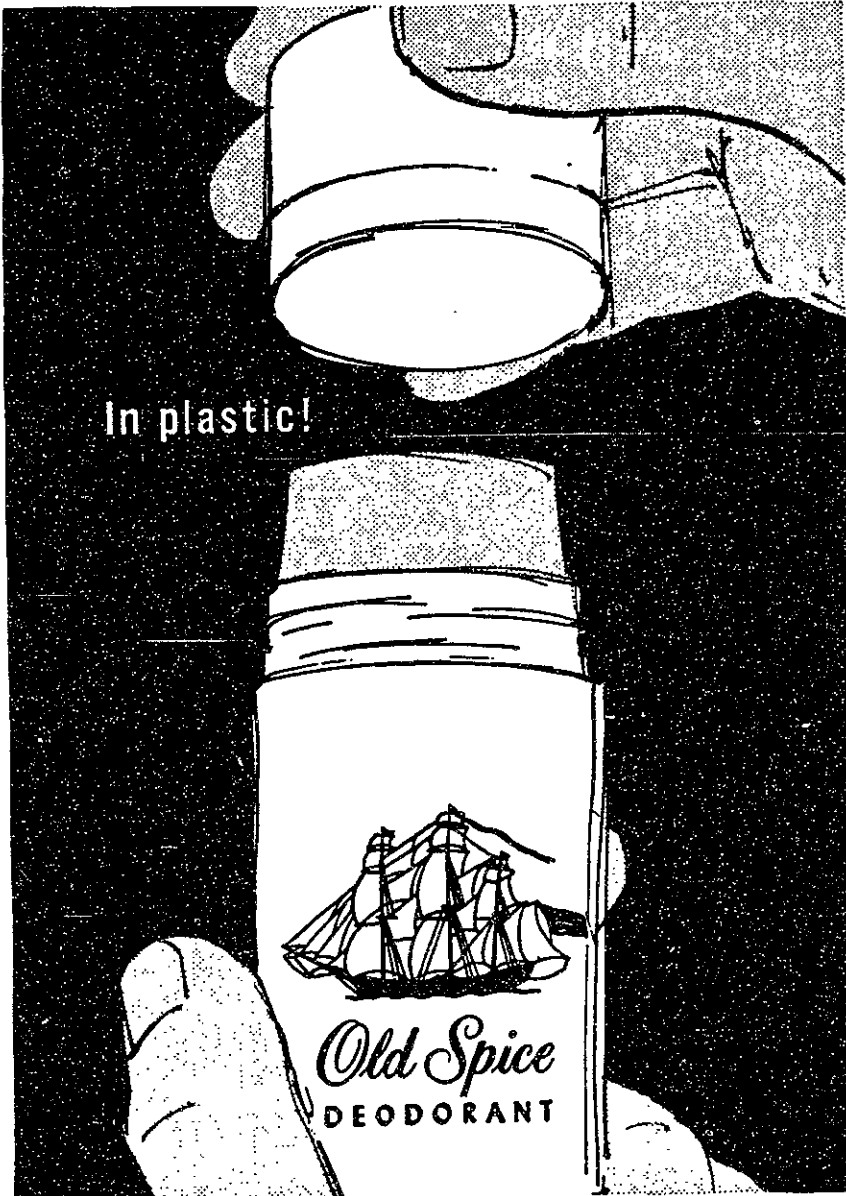
He not only wears the clean white sock; he is "clean white sock." It's a kind of confidence that comes from knowing the right thing to do; even if he decides not to do it. His clean white socks are by Adler. His girl is by his side, every bit as "clean white sock" as he is. Naturally they don't always wear white socks, they just act like they do. People who really swing are wearing the Adler SC shrink controlled wool sock. \$1.00.

ADLER THE ADLER COMPANY, CINCINNATI 14, OHIO

ADLER'S swinging SC's available at

TECHNOLOGY STORE

MEN!



Here's deodorant protection

YOU CAN TRUST

Old Spice Stick Deodorant... fastest, neatest way to all-day, every day protection! It's the active deodorant for active men... absolutely dependable. Glides on smoothly, speedily... dries in record time. Old Spice Stick Deodorant — most convenient, most economical deodorant money can buy. 1.00 plus tax.

Old Spice **STICK DEODORANT**

SHULTON

Calvo Leads Cuban Group

Directorate Fights Communism in Cuba



Juan Calvo, Boston leader of the Cuban Student Directorate, an organization dedicated to unseating Fidel Castro from political power in Cuba.

By Richard Schmalensee

Baker 524 is different from most student rooms for a number of reasons. At first, the visitor notices the hi-fi and the rack full of books, but just beyond the bookshelves a map of Cuba adorns the wall. On the desk are a short-wave radio and a Cuban flag, and at the desk sits Juan Calvo, head of the Cuban Student Directorate in Boston.

Juan left Cuba in 1958, when his anti-Batista

activities endangered his safety. By carrying an overload, and attending summer school, Juan received a degree in Industrial Management last June after three years study. This June, he will receive a degree in Electrical Engineering, and shortly thereafter, he plans to marry the girl whose picture rests on his desk.

The Directorate, Juan explains, was formed in 1960, in order to protest Soviet troubleshooter Anastos Mikoyan's first visit to Cuba. In Cuba, the organization's main tasks are espionage and harassment. Through its American office in Miami and its branches throughout the country, the Directorate keeps its members informed of developments in and about Cuba, thus making them more effective spokesmen for Cuban freedom. The fifty Directorate members in the Boston area thus provide information to both the community at large and the more than one thousand Cubans in the area.

Juan feels that the U. S. must take a strong stand on U.N. inspection of missile removal. He points out that Castro's continued presence in Latin America will cause not only political turmoil, but that the threat of sabotage or revolution will tend to inhibit investment and render very ineffective the Alliance for Progress.

Howard Speaks In Detroit On Urban Transportation

By Sutikshan Prakash

John T. Howard, professor of city planning at MIT, said that the one-acre minimum lot required by his hometown of Wayland, Mass., "spreads people out too far. The low density suburbs are getting too low in density."

Prof. Howard was moderator at a recent national symposium in Detroit on "The Dynamics of Urban Transportation" sponsored by the Automobile Manufacturers Association.

He explained, "Such spread-out suburbs as Wayland put children at the mercy of their mothers, who have to serve as chauffeurs. It is neither good for the kids, nor their mothers. Children become too dependent and this constant chauffeuring can be a burden for their mothers."

When asked what an ideal density for a suburb would be, he replied "That is one of the unanswered and perplexing questions which face the city planner. No ideal density can be prescribed."

Prof. Howard said that now or in the future, no city, nor any part of a city, can depend entirely on public transport or entirely upon auto transport. The balance between auto and transit will vary greatly, depending on the size and part of the city, and the nature of its development.

Talking about central business districts, he said, "There are kinds of downtown districts which, because of sheer density, cannot

work and exist without mass rapid transit to provide a large proportion of access trips. However, economic activities can flourish there, which cannot flourish in auto-oriented downtowns. High-density, pedestrian-oriented downtowns offer non-economic advantages to the people of their metropolitan areas, in richness of experience and vitality of living. These opportunities cannot be recreated in auto-oriented downtowns, or in non-downtown locations."

Commenting on transportation facilities in residential areas he said that a residential area, no matter how dense, must provide for access to and storage of cars—or lose for its inhabitants one of the main advantages of this century's progress. The apartment densities in many cities are too high to allow this. On the other hand, access to transit and foot interconnections to schools and stores must also be provided, or children and old people will lose their freedom of movement.

"The hindrance in planning," concluded Prof. Howard, "is that we cannot decide and plan for a future balance between pedestrian, transit, and auto, without deciding first what kind of residential areas and downtowns we want. It's each city for itself."

Give To The United Fund

Harvardmen to Offer Non-Credit Reading Flexibility Course

In response to requests from a number of students and faculty members, the Institute will offer a special course next term designed to improve flexibility in reading skills.

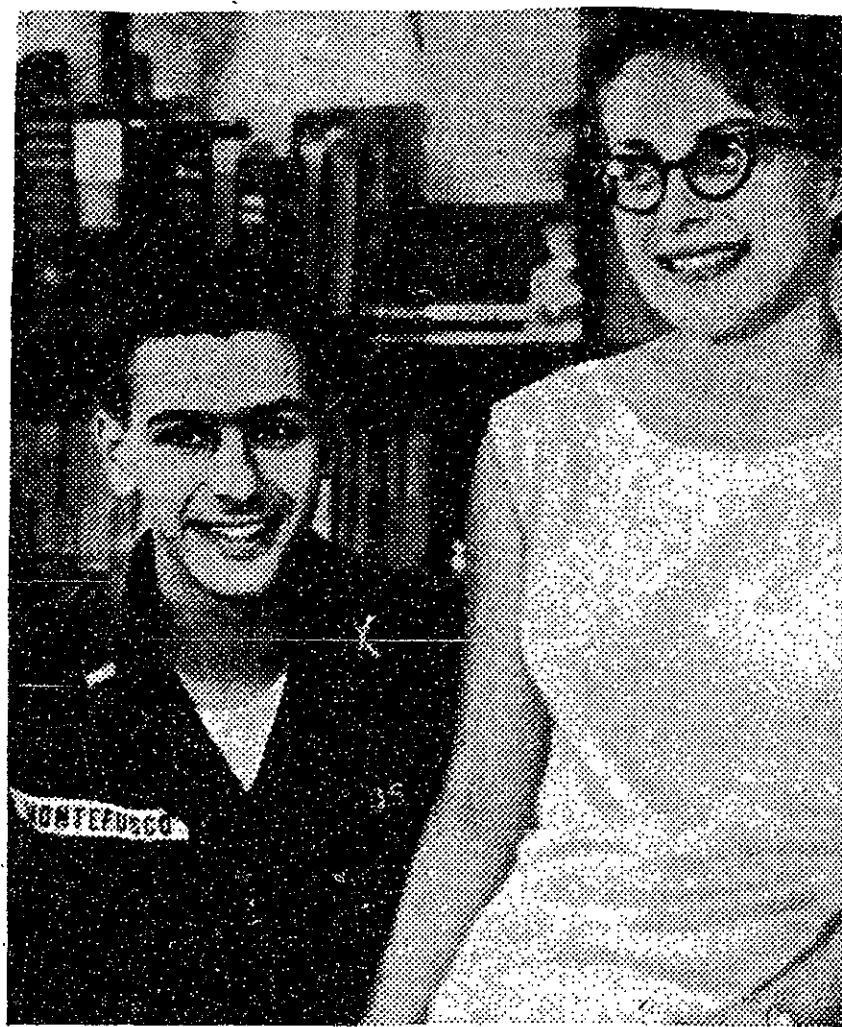
The new reading course will be non-credit and will meet twice weekly for ten weeks. It will be available to all members of the MIT community, with first preference to students.

George W. Gibson, of the Harvard Business School, will teach the course, with assistance from Dr. John S. Fielden, also of the Business School, if enrollment is high. Prof. Gibson is Director of the School's Division of Audio-Visual Education and its Developmental Reading Program.

According to Dean Speer, who is arranging administrative details for the program, the course is "not aimed primarily at extravagant increases in reading speed or comprehension." While speed and comprehension will undoubtedly be improved, the course will be designed "to enable students who are now reading fairly effectively to be more flexible in handling reading assignments—to recognize and use different modes of reading according to the nature of the material and the purpose of the assignment."

A fee of \$30 will be charged, covering all course materials. These will include varied reading selections ranging from novels to technical material such as a Tech student would encounter in other course work.

Specific details concerning registration for the reading course will be announced in The Tech when they become available.



LIEUTENANT JOHN MONTEFUSCO, HISTORY MAJOR, CLASS OF '61

"If I had it to do over again, would I take Army R.O.T.C.?"

My wife and I are in Panama at the moment. She likes it. You know, Officers' Club, dances—that sort of thing. I like it, too. But whether I stay in the Army or not, the question is: Would I take Army R.O.T.C. if I had it to do over again? Yes, I certainly would. In spades, I didn't realize how lucky I was. At the time I figured: Okay, so I'll get my degree—get an Army commission, too, and pick up some extra money along the way! I wasn't the leadership type, I thought. I was wrong. Boy, was I wrong! Looking back on it, I wouldn't trade the leadership training I got for anything! Take my word for it, leaders are made—not born! Whether I stay in the Army or not, nobody can take away what I've learned. And let's face it, where can anybody my age step out of college and walk into a standard of living this good? Look, if you have already invested two years in college ROTC, take it from me: *Stick it out!* It'll be one of the smartest things you ever did. I say so."

ENGINEERS

PHYSICISTS

Campus interviews at Massachusetts Institute of Technology will be conducted on November 29, to select qualified engineers and physicists to take part in the development of Stanford University's new two-mile linear electron accelerator.

The accelerator, being built under a \$114,000,000 contract with the Atomic Energy Commission, is designed to produce an electron beam of 10-20 Bev (billion electron volts), which can be increased to 40 Bev should it later prove desirable. Planned for completion in six years, the Stanford Linear Accelerator Center will then take its place among the principal international centers of particle physics research.

The Center presents an outstanding opportunity to work in highly stimulating intellectual atmosphere. It is situated on the 9,000 acre Stanford University campus on the beautiful San Francisco Peninsula. Engineers and Physicists working toward advanced degrees in the following fields are especially needed at this time: ■ ELECTRON BEAM OPTICS ■ KLYSTRON TUBE DEVELOPMENT ■ MICRO-WAVE ENGINEERING ■ MACHINE DESIGN.

To arrange for an interview on the above date, please contact your University (or Engineering) Placement Office. If this is inconvenient, write Mr. G. F. Renner, Employment Manager, Stanford Linear Accelerator Center, Stanford University, Stanford, California. An equal opportunity employer.

STANFORD LINEAR ACCELERATOR CENTER

Cleaning - Pressing Repairing - Laundry Quick Service

Charlie The Tech Tailor
71 Amherst St., Cambridge
EL 4-2088

SQUASH RACQUETS

All Makes—Large Variety

Tennis & Squash Shop

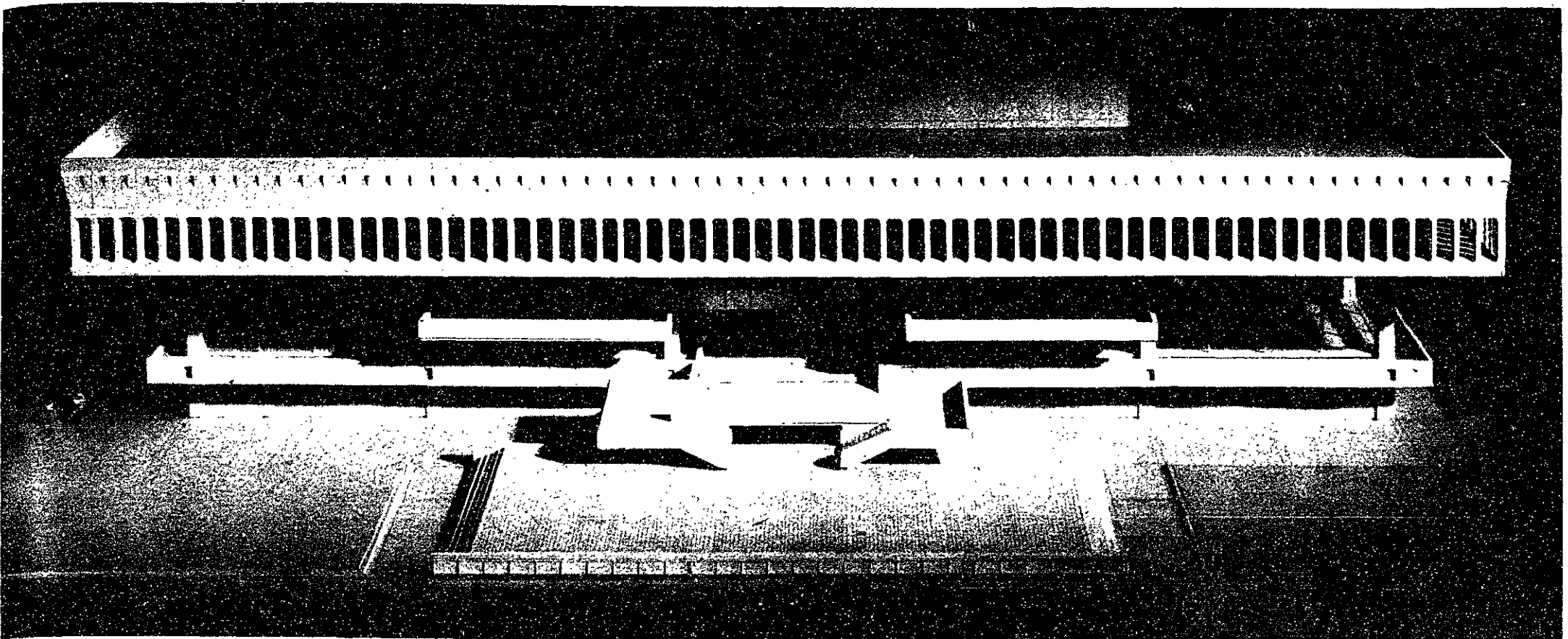
67A Mt. Auburn St., Cambridge
(Opp. Lowell House)
TR 6-5417

Center Plans Released But Funds Lacking

THE TECH

WEDNESDAY, NOVEMBER 7, 1962

Page 11



Professor Catalano's model of the proposed Student Center.

By David E. Trevvett

MIT's proposed Student Center is considered by the administration to be the most important uncompleted objective of the Second Century Program. Although the necessary funds are not yet available, intensive efforts are being made to secure a number of substantial gifts for this purpose.

The plans presented by President Stratton Monday are the preliminary plans which have been approved by the MIT Building Committee; by the time the final plans are ready, the Institute, through an accelerated construction schedule, should be in a position to begin construction immediately on this, the second largest building of the second Century Fund. It is hoped that ground may be broken for this project next spring and that the building will be completed in the spring of 1965.

A Plan — A Purpose

In order to appreciate the plans for the Student Center, one must be familiar with the purpose of such a structure and the effects it is to have on the community as a whole. The report from Dean Robert Holden's committee (see article, page 14) gave the following directive:

"The student center should be a focal point for undergraduate activities outside of the classroom, dormitory, and the fraternity. It should play an integral part in the non-academic educational life of the Institute. As a structure it should have a distinctive architectural character, expressive of its purpose and meaning in the MIT community. As a living entity it should be a place where much-needed traditions are developed and where the undergraduate may discover many different opportunities for intellectual, social and cultural broadening. It should be attractive both to individuals and groups."

Towards A Community

A later statement made the Center the basis for a "true academic community of students"; the idea is still the same. The Center should not become, as the committee report put it, "a catch-all building and fail in its major purpose."

In line with these objectives, it was agreed that the Center should 1) bring together already organized activities for greater cross-fertilization and stimulation make these activities more accessible to the student body as a whole and provide space for formation of new activities; for relaxation and informal student discussion; 3) in-

corporate facilities — such as the Rathskeller — which would naturally draw people together; and 4) make available facilities for cultural programs and exhibitions of science.

Other objectives for the union included promotion of more on-campus social events and inclusion of commercial facilities which would meet the service needs of MIT as a whole.

Same Activities Not Included

The Committee report stated that "undergraduate professional societies which are closely tied with academic departments should continue to have their headquarters within the department. . . . Certain other student groups, which require large specialized areas of work space for few people — as the Model Railroad Society — or access to laboratories — as the Rocket Research Society — might also be better located in the main Institute plant than in the Center."

The report further stated that "in the opinion of the chaplains, religious counselling should take place apart from any main stream of activity. Separation, isolation are important, and the building at 317 Memorial Drive neatly fulfills these requirements."

The NRSA would continue to operate out of 318 Memorial Drive and "bear a relationship to the Student Center similar to that of dormitories and fraternities."

The Final Plans

It was with these ideas in mind

that Prof. Eduardo Catalano conceived and formulated the following building:

Occupying a space roughly equivalent to a football field the Student Center will be set back from Massachusetts Avenue between the Chapel and the duPont Athletic Center; it will face onto the plaza (i.e., toward the Charles River.) Total floor space should come to about 150,000 sq. ft.

The Center will consist of a basement and ground floor primarily for commercial facilities; a main floor and mezzanine for social activities and dining; and a top floor for student organizations and individual student recreation. The basic structure and the roof will be designed to allow the future addition of a fifth floor, as the roof will be enclosed by a parapet, such an addition would not affect the building's outside appearance. All the floors of the Center will be connected by the fire stairs and by two elevators. In addition large central stairways will connect the ground floor to the basement, and the main floor to the mezzanine. Eventually the basement levels of the Center and Building Seven may be connected by a tunnel under Mass. Ave.

Main Floor — Mezzanine

As the main floor and mezzanine will hopefully serve as the focal point for MIT's social activities, this section of the Center will be accessible from the outside.

In addition to a large stairway

to the main floor in front of the building, there will also be a similar though smaller stairway at its western side.

The main features of this social section are the dining hall and the multi-purpose room, each two stories in height. For varying degrees of privacy, the dining hall will be sub-divided into three small dining rooms seating about 20 persons at one end of the hall; the main segment, seating about 170, in the middle; and a medium-sized hall at the other end, seating about 60-70.

Adjacent to this hall will be a "supermarket-style" serving area; an attempt to eliminate long lines, this innovation will hopefully allow students to enter the serving area with no delay, pass directly to those food-dispensing areas which interest them, and then leave through several check-out counters.

Other dining facilities will include three additional dining rooms on the mezzanine floor along with Rathskeller, seating 100. As the Committee said, "The Rathskeller should be so inviting, intimate and unique that it can itself grow to be an MIT tradition." The mezzanine's dining halls will be used by activities, student-faculty groups, etc., for informal dinners or dinner-meetings, or they can double as regular meeting rooms.

The multi-purpose room will be located on the west side of the

building, symmetrically opposite the dining hall. Holding a maximum of about 500 people, it will be available as a lounge, banquet room, dance floor, movie house, or small theater. A wide corridor connecting the two large rooms will be lined on one side by exhibition cabinets, suitable for art exhibits and specialized shows of science; on the other side will be lounges to provide waiting areas for those attending social events in the multi-purpose room and, at other times, to be used for brunches, small parties and dances, etc.

Three additional lounges, one with a balcony, will be located on the mezzanine floor. The browsing library on the mezzanine will contain newspapers, periodicals and fiction and will have seating space both at tables and in easy chairs.

Activities Floor

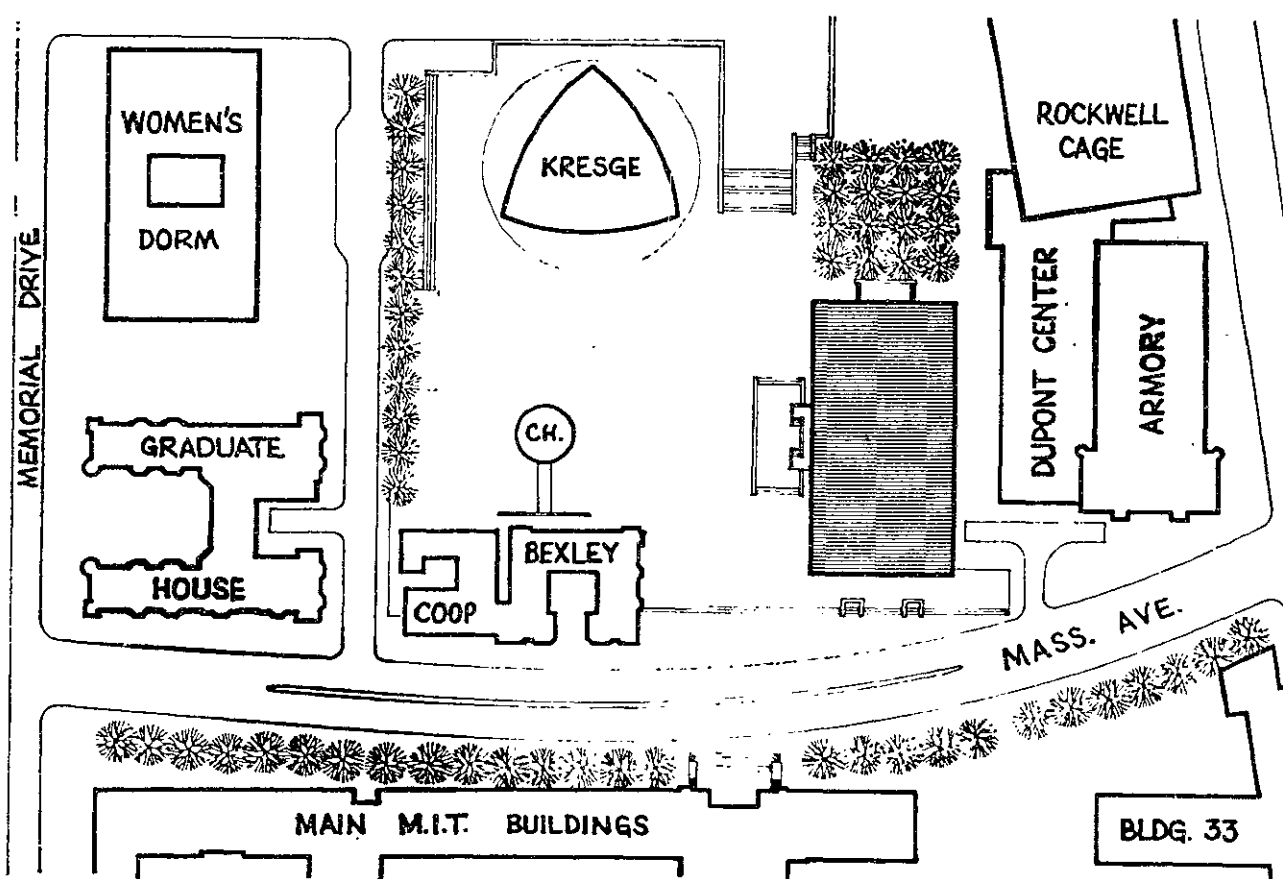
The top floor will house students activity facilities.

The Technology Community Association will be centrally located, its facilities including the new reproduction center, equipped for silk-screening as well as mimeographing. The Undergraduate Association will have a meeting room and a number of small offices. The Lecture Series Committee and the publications, *The Tech Technique*, *Voo Doo*, *Tech Engineering News*, and *Tangent*—will have offices with nearby dark-rooms. Other offices will be occupied by Musical Clubs, Baton Society, Dramashop, APO, Religious Clubs, IFC, Debate Society, and Science Fiction Society.

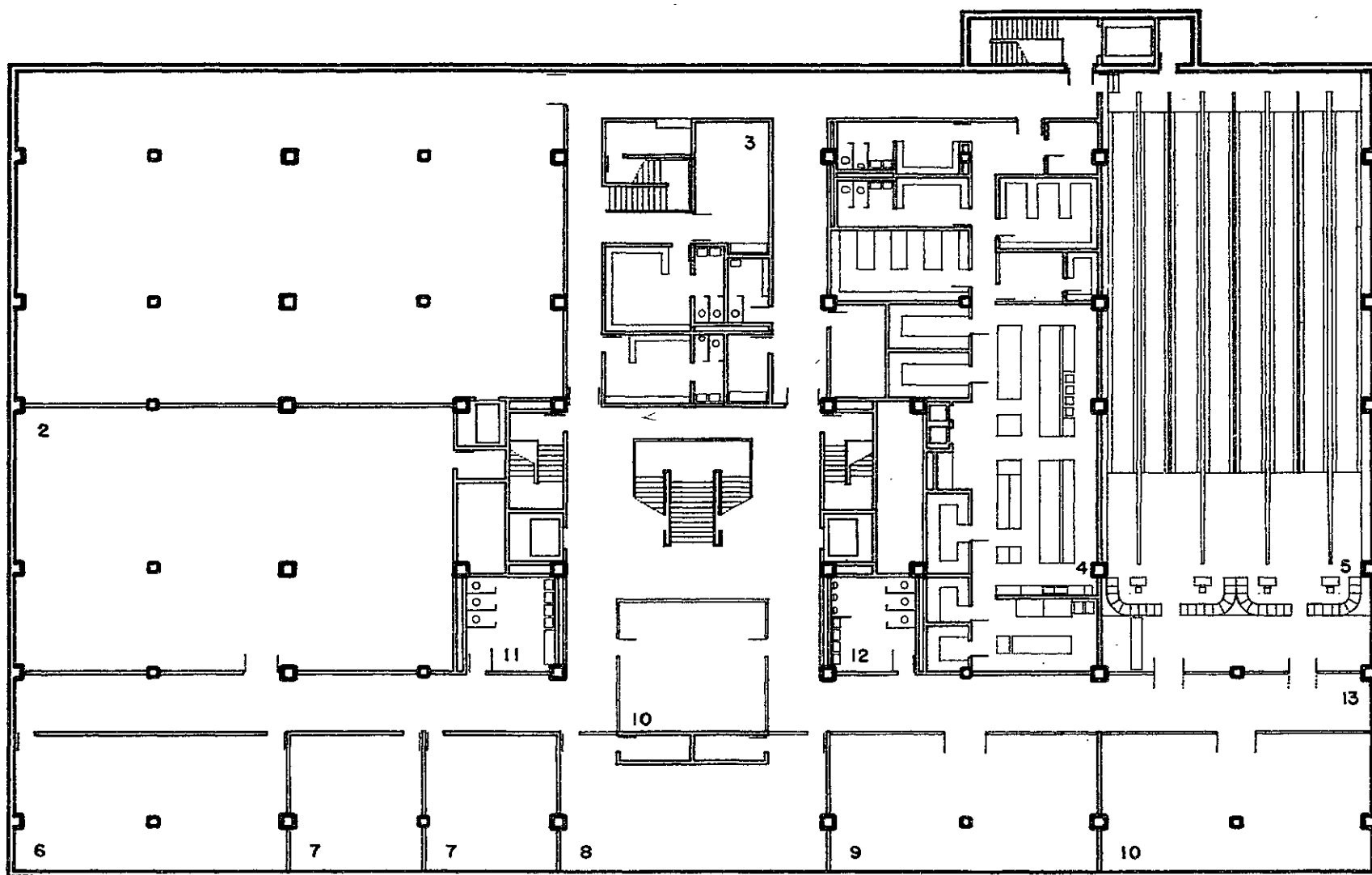
A large amount of space will be devoted to activities for individuals and unorganized groups. Included will be a dark room, six music practice rooms, and a room for arts and crafts work. The open lounges and browsing library on the mezzanine, as well as an eight-lane bowling alley in the basement, will also be open to these groups.

Ground Floor — Basement

The ground floor of the Center will be devoted entirely to commercial facilities. Its main occupant will be an expanded Coop, similar in its scope of operations to that in Harvard Square. A bank and a drugstore are also hoped for on this floor. The basement may house a barbershop, a post office, a shoe repair shop, a laundry, and perhaps one or two other commercial units; there will also be storage space for the Coop, the IFC, and the Outing Club on this level, as well as the bowling alley and a large kitchen.

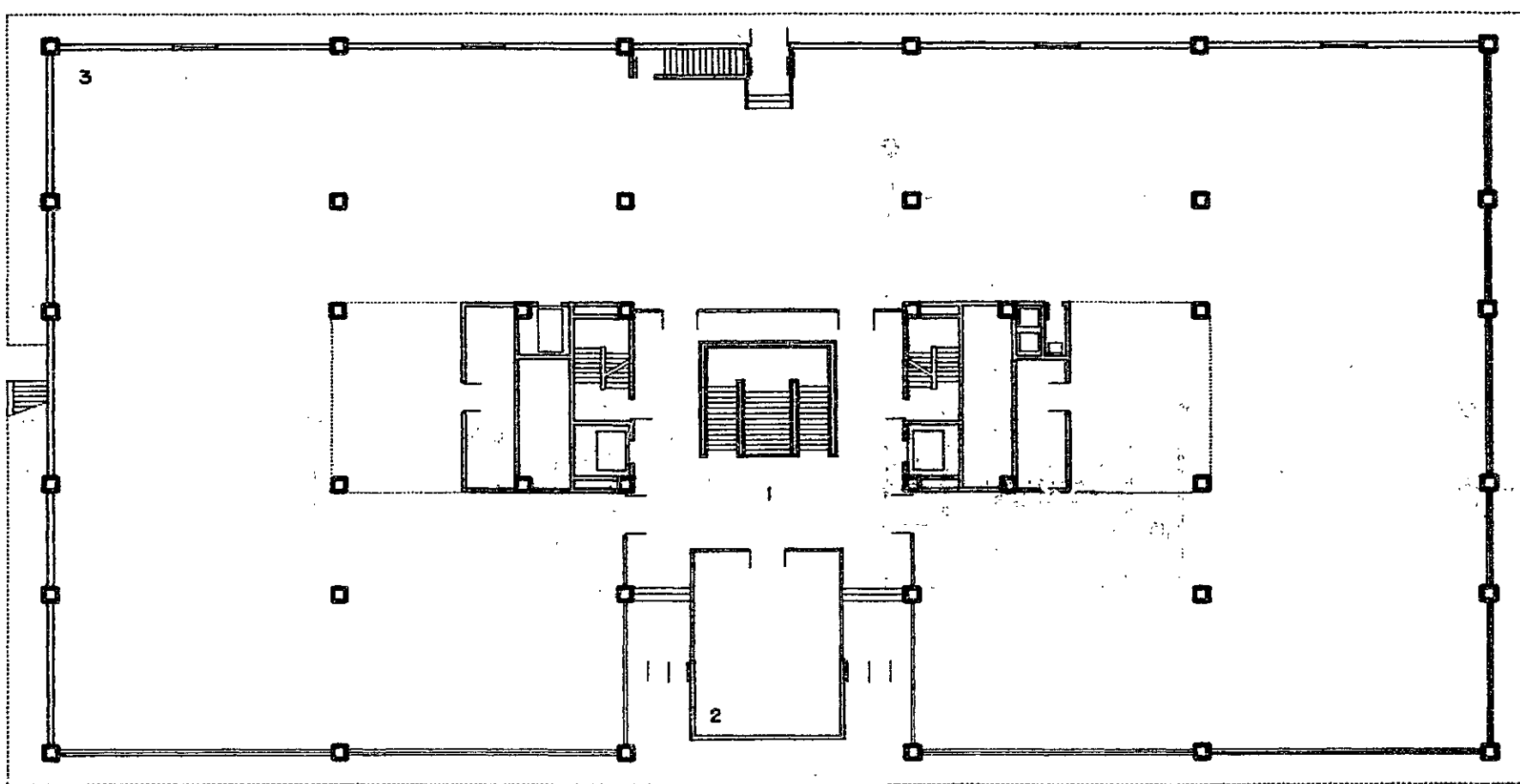


Site plan of the proposed Student Center (crosshatched).



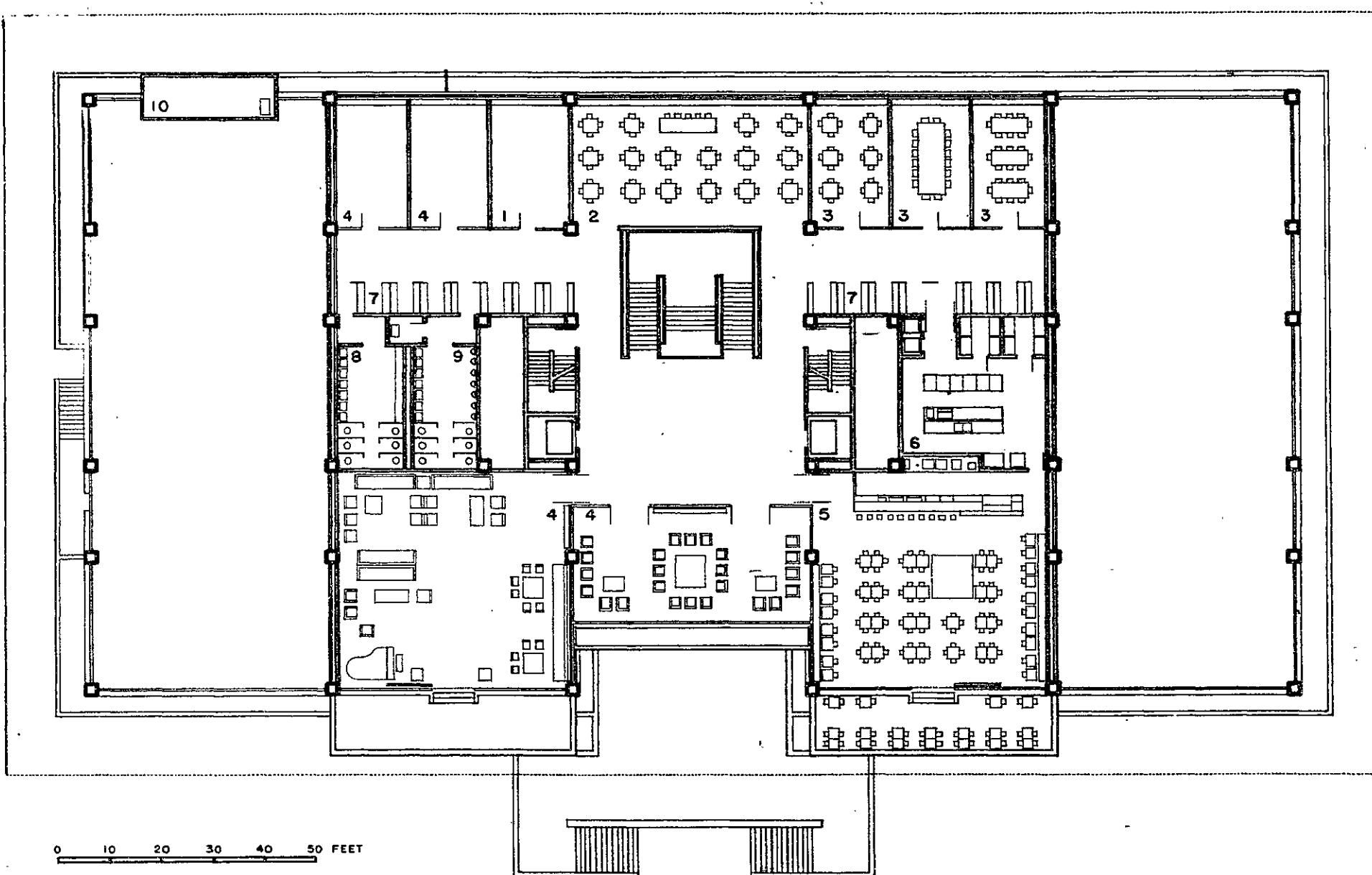
Basement

1. Technology Store Storage
2. Mechanical Room
3. Technology Store Services
4. Kitchen
5. Bowling
6. Storage
7. Student Organizations Storage
8. Barber Shop
9. Post Office
10. Store
11. Women's Toilet
12. Men's Toilet
13. Tunnel Entrance



Ground Floor

1. Entrance Lobby
2. Drug Store
3. Technology Store



Mezzanine

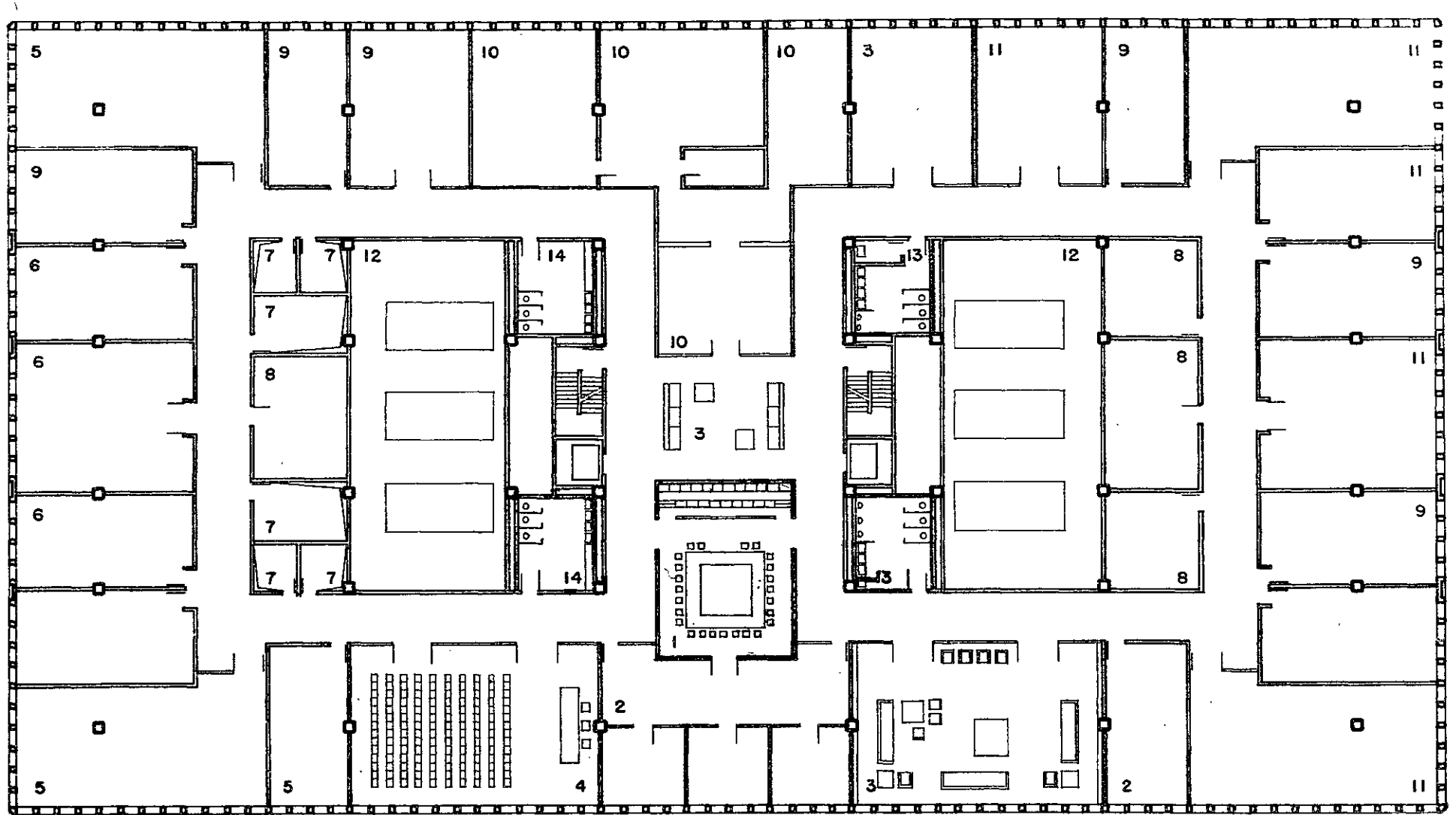
1. Director's Office
2. Lounge - Banquet Room
3. Private Dining Room
4. Lounge
5. Rathskeller
6. Pantry
7. Coats
8. Women's Toilet
9. Men's Toilet
10. Projection Booth

Note: Blank rectangles at either end of floor represent second story of two-story rooms.

Stud
Flo

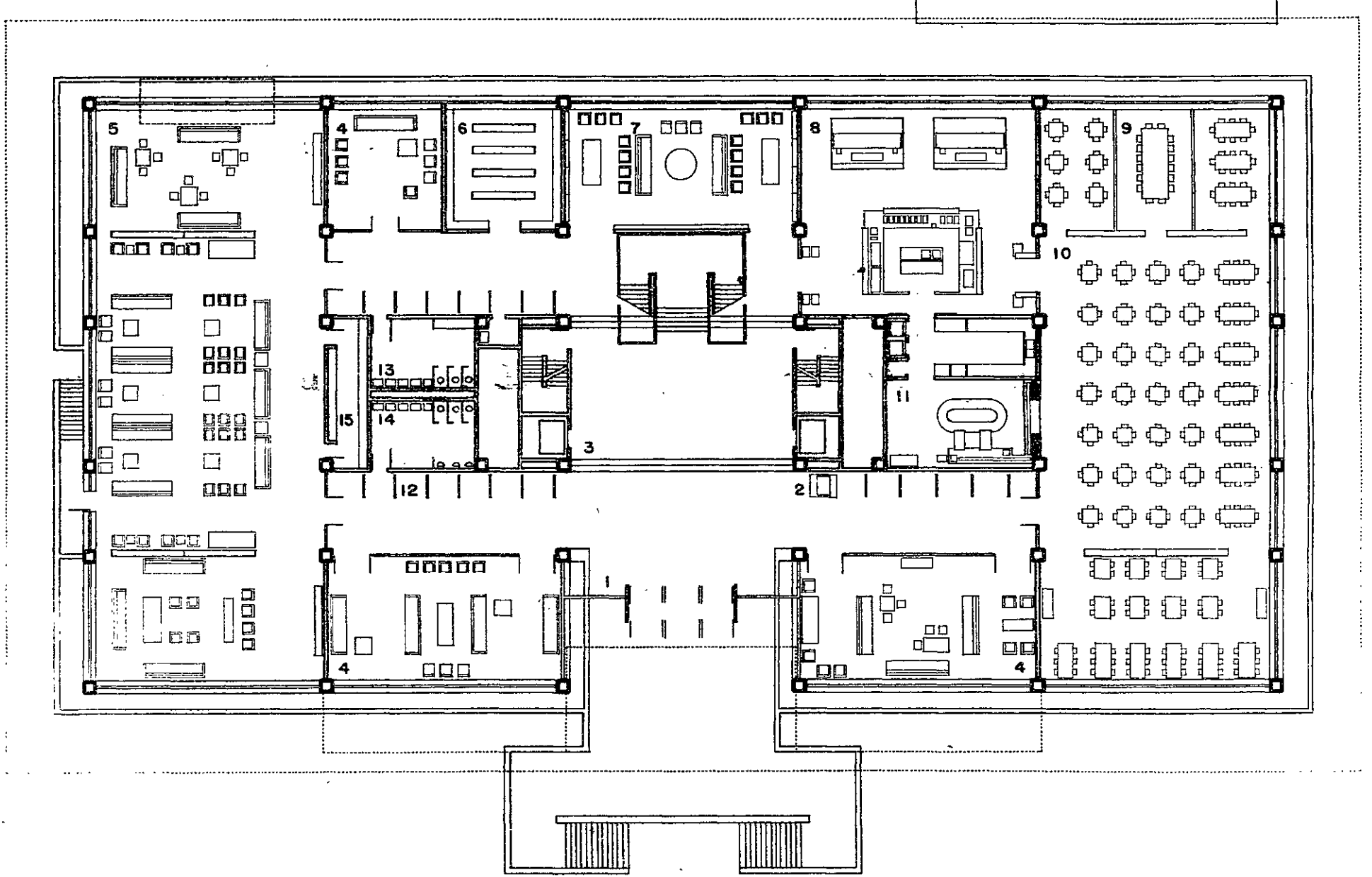
Office Floor

- Inscomm Room
- Student Government
- Lounge
- Meeting Room
- Future Student Organizations
- Art Room
- Music Practice Room
- Dark Room
- Student Organizations
- T.C.A.
- Student Publications
- Mechanical Room
- Men's Toilet
- Women's Toilet



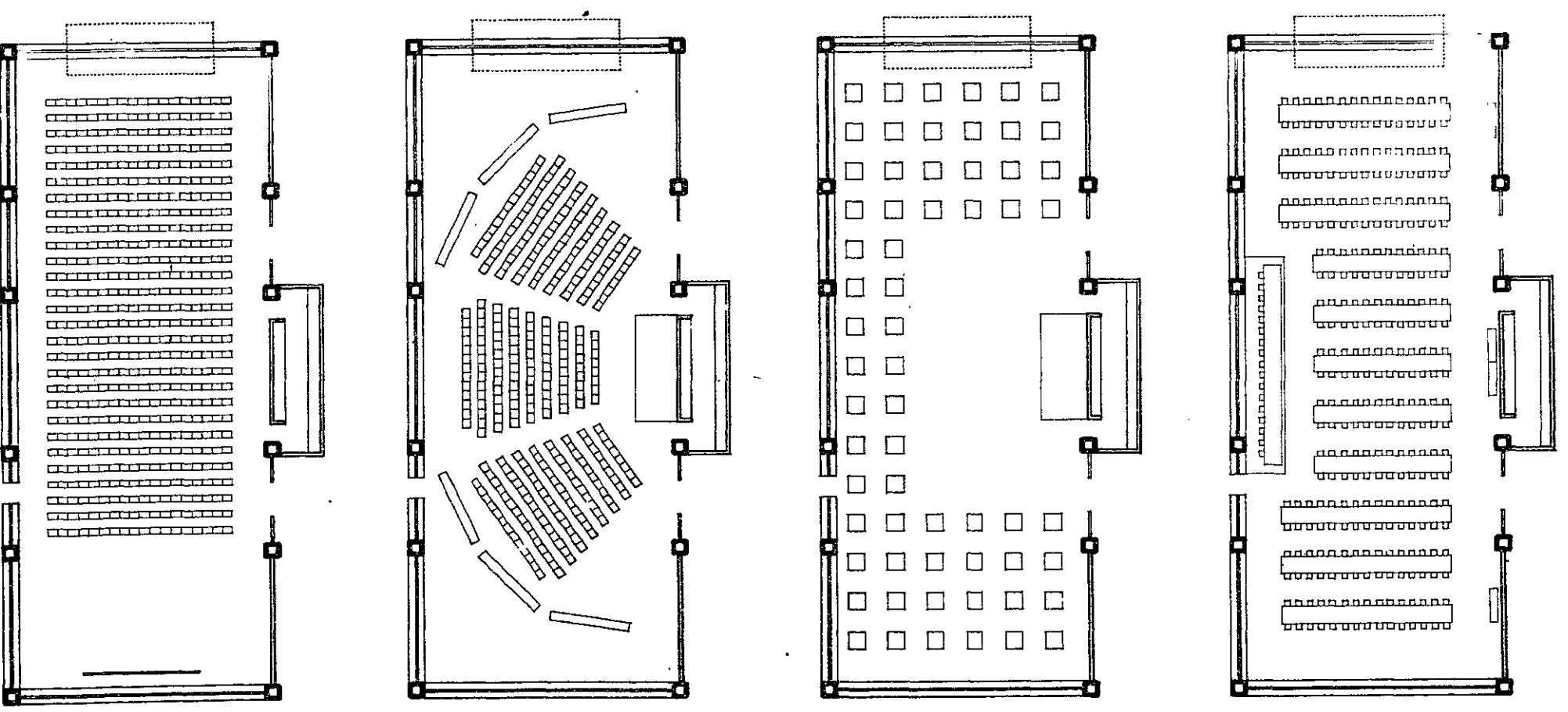
Main Floor

- Entrance Lobby
- Information
- Elevator Lobby
- Lounge
- Multipurpose Room
- Coat Room
- Browsing Library
- Serving Area
- Semi-private Dining Room
- Dining Room
- Pantry
- Dishwashing
- Exhibition
- Women's Toilet
- Men's Toilet
- Pantry



Multipurpose Room:

- Possible Arrangements (left to right)
- Motion Picture, 600 seats
- Auditorium, 300 seats
- Dancing, 250 seats
- Banquet, 300 seats



**Inter
ns**

Current Student Center Latest Of Many Proposals

'If At First You Don't Succeed . . .'

"Future Student Union Building Will Be Planned By Students," cried a headline in a November 1952, issue of *The Tech*.

The campus was then in a state of dynamic change, with new buildings and facilities budding on all sides. Baker House had been completed, Burton remodeled and occupied; construction on Kresge was just getting started, with work on the chapel to commence shortly thereafter. Architect Eero Saarinen had created the ingenious plaza on which his auditorium and chapel would be located; the north end of this plaza provided an ideal location for a student union.

The Spirit Revives

It was the Baker Memorial Foundation, operating in the spirit of the late Dean Everett Moore Baker, which first emphasized the need for a new student center, choosing a study of this problem as its annual project. A group of students began canvassing activities for estimates of how much space they would need; with these estimates in mind, Hsio Wen Shih '53, in his bachelor's thesis, proposed a set of tentative plans.

The Baker Memorial Committee did much of the groundwork before encouraging Institute Committee to take over in May, 1953. A Student Union Committee was set up with instructions from Inscomm to contact administration officials concerning the union, study the problems of activity and commercial space, and to survey the possible methods for financing the structure.

After a year the Committee was able to demonstrate widespread backing from both administration and students; a student questionnaire gave opinions on space allocation; in his bachelor's thesis Martin Cohen '54 presented a complete plan for a student-alumni center.

Progress — and Problems

When committee chairman Eldon Reiley '55 was subsequently elected UAP, he appointed John Saloma '56 chairman and threw his weight behind the committee. The committee turned its attention to bringing the project the publicity it needed to become a reality. A 40-page report was sent to each Corporation member; a printed brochure was distributed to students; Martin Cohen's thesis was exhibited in Building Seven. But the situation remained dampened by the projected \$3 million cost and the opposing lack of funds.

Then, in May, 1956, the famous Ryer Report was submitted; the fact that its findings agreed so completely with the student committee's work was enough to revitalize the program. The call was for a removal of all dormitory facilities to West Campus; thus the Student Center would be located between the academic and domestic centers, right in the mainstream of Tech life.

Less than a month following completion of the Ryer Report, John T. Rule, Dean of Students, appointed a new Student Center Committee, composed of nine representatives of faculty and administration in addition to three students. This committee, chaired by Associate Dean of Students Robert Holden, began work along with the Inscomm sub-committee by the same name.

A Fresh Look

For two years this new committee consulted with representatives of all student activities, members of the Department of Ar-

chitecture, and any others having an interest in the final result. When the final report was made, it included both a general guide to the philosophy of the building and the activities it should house, as well as descriptions of functional relationships and lists of preliminary space requirements.

According to O. Robert Simha, Planning Officer of the Institute Business Administration, "It was this report which formed the 'guts' of the plans." That this is true is evident from a look at the report. Only one major suggestion made in the report was not adopted — that the commercial facilities, though next to the Student Center be contained in a separate building.

Nevertheless, there was still the question of finance. It was during this period that the Second Century Fund was in the initial planning stages, and there was a great deal of competition as to who would get what. But such importance was attached to the Center that it was included in the Fund from the start, even though other projects had higher priority.

Report Brings Action

Soon after the report of Dean Holden's Committee, the Institute appointed Saarinen to prepare plans for the Center; it was hoped that, by employing the same architect who had designed the by then famous Chapel and Kresge, the Institute would be rewarded with a uniformly designed, integrated plaza of great architectural significance; Saarinen was working on the second preliminary plans when his sudden death brought a temporary halt to the Center's progress.

Things died down for a while, but behind the scenes work continued. Suddenly, in October, 1961, the topic once again leaped into the public eye with the fiery destruction of the Hennessey Block, now a reality.

the MIT-owned segment of shops which had housed Tech Drug, Walton's, Larry's Barber Shop, Lewando's Cleaners, and the WGBH facilities. The remainder of the building was razed, and in the ensuing discussion of how to use the land, the natural focal point was the proposed Student Center.

Schedule Unaffected

"Actually," said Mr. Simha, "the WGBH fire neither speeded us up nor slowed us down; we had assumed all along that eventually the Hennessey Block would be torn down to make room for the Student Center. And our pace had accelerated to the point that we would have accomplished this result on our own on roughly the same time schedule."

"If anything, the fire has caused us numerous problems, the most serious of which is the loss to the MIT community of the services formerly provided. We can see no way of re-establishing these services before the completion of the Center."

At Last!

Nevertheless, it was shortly announced that Eduardo F. Catalano, professor of architecture, had been appointed architect for the Center. Prof. Catalano buried himself in conferences with student activity leaders, commercial representatives, and others concerned. By spring of 1962 tentative plans had been made, and a preliminary model constructed.

Since last spring there has been an endless succession of conferences and counter-conferences, suggestions, changes, improvements, and restorations. But during it all there has taken shape a building which might very well fulfill the purpose which has been set for it. And though there will probably be several delays due to lack of funds, the inevitable completion of the Student Center is now a reality.

Past Attempts At Student Union Had Much Planning, No Money

A closely knit housing of offices and meeting rooms for student organizations, a careful blending of social, dining and recreational facilities for individuals as well as groups, a student center which would be more than just a building, but rather a living entity — such a building has been sought since MIT registered its first freshman class.

Copley Had Its Union

Back in Copley Square, "when MIT was Boston Tech," such a student center was practically impossible; there were no dormitory facilities, and well-integrated extra-curricular life was difficult. Nevertheless there was a need, and this was answered in part by Tech Union.

As Henry S. Pritchett, then President, expressed it, Tech Union was "nothing more than a suite of comfortable rooms, provided by the kindness of a few friends, in which Institute gatherings may be held, where a dinner may be partaken of at small cost, and where it is possible for the poorest as well as the richest student to spend a comfortable and joyous evening in the company of colleagues and teachers." Located over the mechanical laboratories, the Union soon did attain a character of its own, with its large sitting room in constant use.

It was about this time that plans for a memorial building to former President Francis Amasa Walker were beginning to take form. First kicked around in 1898, ideas for the structure began to center around a Walker Memorial Gymnasium; by the time preliminary sketches were ready, the memorial included a lecture room, small library, meeting room, and space for a possible swimming tank in the basement.

New Tech Had Its Walker

But before the detailed plans materialized, the Institute decided to move into suburbia, Cambridge-on-the-Charles. In the new Technology, Walker Memorial would have a prominent place, and a different role in the expanded MIT; in addition to the small gymnasium in Walker, there would be a larger gym and athletic fields directly behind the memorial; dormitories would surround it in a classic quadrangle, thus making Walker the true social center of student life.

Walker Memorial was now envisioned as "the club house of the students," housing dining facilities and homes for various student activities. This was the building which was dedicated with the main Institute building in 1916.

But Few Had Space

Yet there were problems: it soon became apparent that the space for activities in Walker was woefully inadequate. Expansion, however, was looked upon rather dubiously, as the other facilities of Walker were suffering from lack of use: it was not until 1930 that a Junior Prom was held in the building. The situation was widely discussed, and a "Use Walker" campaign sprang up among the students, demonstrating by its enthusiasm that expanded facilities would be utilized.

Sparked by the student response, plans were made for adding wings to either side of Walker; the east wing, to house the dining service; the west wing, an auditorium; while Morse Hall would be furnished as a large lounging room, as was originally intended. Preliminary sketches were made, a student committee was appointed to work with the already standing alumni committee, and nothing further was heard of the idea for five years. Somehow the tremendous enthusiasm had managed to dwindle to practically nothing.

In 1936 President Compton once more called for expansion of Walker, and the old sketches were resurrected, to be raked over the coals a few times and then forgotten. Lack of funds, other things which had to be built first — these and many more were contributing factors. The Walker Memorial Committee stuck around and kept studying the situation. And after this committee, it was another committee, kicking the ideas around for all they were worth. But the next real drive didn't start until 1952, and it was this movement which culminated in the present plans.

LAUNDRY and DRY CLEANING SERVICE

Quick - Dependable - Fine Quality

Big Saving with
The Patronage Refund

Tech Coop

The Waldorf-Astoria The Waldorf-Astoria

"WEEKENDS ARE FUN
AT THE WALDORF!"

It's the favorite rendezvous for
holidays, too (including Thanksgiving).

SPECIAL STUDENT RATES

\$8.00 per person, 1 in a room
\$6.50 per person, 2 in a room
\$5.50 per person, 3 in a room
(Faculty rates upon request.)

The Waldorf-Astoria also puts out the welcome mat for proms and private parties in the Empire Room or in elegant private rooms.

☐ College Department
☐ The Waldorf-Astoria
49th & 50th Sts., New York 22, N.Y.
☐ Arrival Date _____ Time _____
☐ Departure Date _____
☐ ACCOMMODATIONS
☐ _____ One in Room _____ Two in Room _____ Three in Room
☐ RESERVATIONS FOR:
☐ Name _____
☐ College Address _____

INTERESTED IN AN OVERSEAS CAREER?



MR. LAURENS L. HENDERSON, JR.
CAREER COUNSELOR

will be on the campus

Wednesday, November 7, from 9 a.m. to 12 noon

to discuss the training offered at A.I.F.T. (an intensive
nine months program of post graduate study) and
the job opportunities open to graduates in the field of
INTERNATIONAL TRADE and GOVERNMENT SERVICE.

Interviews may be scheduled at
the office of the
DIRECTOR OF PLACEMENT

The American Institute For Foreign Trade

Thunderbird Campus

Phoenix, Arizona

MIT Science Reporter:

Films Catch Efficiency Of Bat's Radar

By James Veilleux

The "MIT Science Reporter" was at the home of Prof. Frederick Webster last week to tape a program entitled "Bats: Radar Champions." Webster, who is a consultant for the Lincoln Laboratories in Lexington, is studying the amazing ability of bats to employ high frequency sound for blind guidance.

At his Cambridge residence, Prof. Webster carries out experiments with captured bats, and records data through the use of high-speed movie cameras. Mealworms and other objects are fired directly up, as a bat flies across the room at a speed of 35 ft. per sec. A 760 frame-per-second camera records the motions of the bat as he deftly intercepts the target.

From films taken in this manner, one can see the remarkable efficiency of the bat's radar system. Equipped with a brain no larger than a pencil eraser, the flying mammal bounces sound waves (ranging from 50 to 100,000 kc.) off the approaching target. Instantly he records the incoming sound waves, correlates them with

previously compiled data, predicts the path of both himself and the target, and executes extraordinary maneuvers for intercepting it. All this is performed with an efficiency that far surpasses man-made radar installations.

But there are a few situations which defy the bat's functional capacity. Certain moths, for instance, present a problem to him for they are often able to jam the bat's radar by emitting their own high frequency sounds. Bats may also be fooled by glass, if they are approaching the window of a high building at an angle other than 90 degrees. In this case the sound waves are not reflected back to him for detection; and the bat will collide with the glass, which he interprets as empty space.

As for the practical applications of his project, Prof. Webster feels that much can be learned from the data processing system of bats. Nature seems to use a simple but effective method of storing and analyzing information from radar signals that our multi-million-dollar equipment has yet to approach. Discovering this secret is the chief object of Lincoln Lab's Bat

Flight Facility project.

An application which has already been developed and commercialized is a blind guidance unit. Using pulses similar to those emitted by bats, blind persons can almost "feel" their environment with this device.

Buckley Hits Left On Politics, Sex; Derides Mailer

(Continued from page 1)

are not Communists, but they have failed to grasp the fundamentals of nuclear blackmail," Mr. Buckley continued.

Claiming that the United States is "held down by the palimpsest of contemporary liberalism," he attacked "the Establishment," and said that "the most educated men in our midst have failed to understand the march of history." "No one seems to know how to deal with Castro, but we don't even know how to deal with Harvard University," Mr. Buckley extended his long-standing tradition of criticism of Harvard by recalling the tumultuous reception Castro received there three years ago, noting that it is President Kennedy's alma mater.

He said that the United States has been caught unprepared in the cold war too many times, citing Berlin, Laos, and Cuba, implying that the "liberal Establishment" was incapable of the necessary perception. "Disintegration and acquiescence in it, is what he Communists see about us," he added.

Also coming in for Mr. Buckley's barbs were Gore Vidal ("organically unintelligible"), Kenneth Tynan (a question about his potency), John Crosby, and Arthur Schlesinger.

Mr. Buckley concluded that "We live here in the West under a small ray of light, while over there is blackness." He recommended that the audience read Matthew, Mark, Luke and John.

In a question and answer session afterwards, Mr. Buckley told a questioner that while a Papal encyclical of last year might have had New Deal overtones, it endorsed the conservative dictum of "subsidiarity." He defined subsidiarity as the principle that no public agency should take over a job that can be done privately, and that no higher public agency should assume the functions of a lower one.

Mr. Buckley indicated that he believed that the John Birch society had discredited American conservatism to an extent, but "it is less due to the tactics of Mr. Welch (Robert Welch, John Birch Society President) than the opportunism of Mr. Welch's critics."

When asked his opinion about the recent election campaign, Mr. Buckley commented that "The most important point to consider is whether it will be possible to break up the state of euphoria resulting from Mr. Kennedy's calling Khrushchev's bluff."

Secretariat Requests List Of Club Officers

The Secretariat needs a list of the officers of all student organizations, clubs, and enterprises to send notices and news to the activities. The following activities which have not yet submitted a list of officers should turn this list in to the Secretariat at 50-110, Litchfield Lounge.

Amer. Military Engineers, American Civil Eng., Amer. Mechanical Eng., Chi Epsilon, Hexalpha, Informal Dance Comm., Industrial Management Assoc., Israel-America Club of MIT, Korean Students Club, Amer. Inst. of Physics, Naval Arch. Soc., Parapsychology Research Group, Pershing Rifles, Phi Lambda Upsilon, Sedgewick Biological Soc., T Club.

THE BELL TELEPHONE COMPANIES SALUTE: ED MULLETT

Ed Mullett (B.S.E.E., 1956; M.S.E.E., 1962) is Project Engineer with the New England Telephone Company in Boston. Ed is assigned to the State Area Radio Transmission Group which planned and designed the Company's first major microwave system to be used for message service.

On another project, he made design and cost studies for the first educational television system in New England.

Ed's career has presented many unusual engineering challenges and rewards and a chance to get his Master's Degree at company expense.

Ed Mullett and other young engineers like him in Bell Telephone Companies throughout the country help bring the finest communications service in the world to the homes and businesses of a growing America.



BELL TELEPHONE COMPANIES



Davidson Jewelers

Kenmore Square CO 7-0017

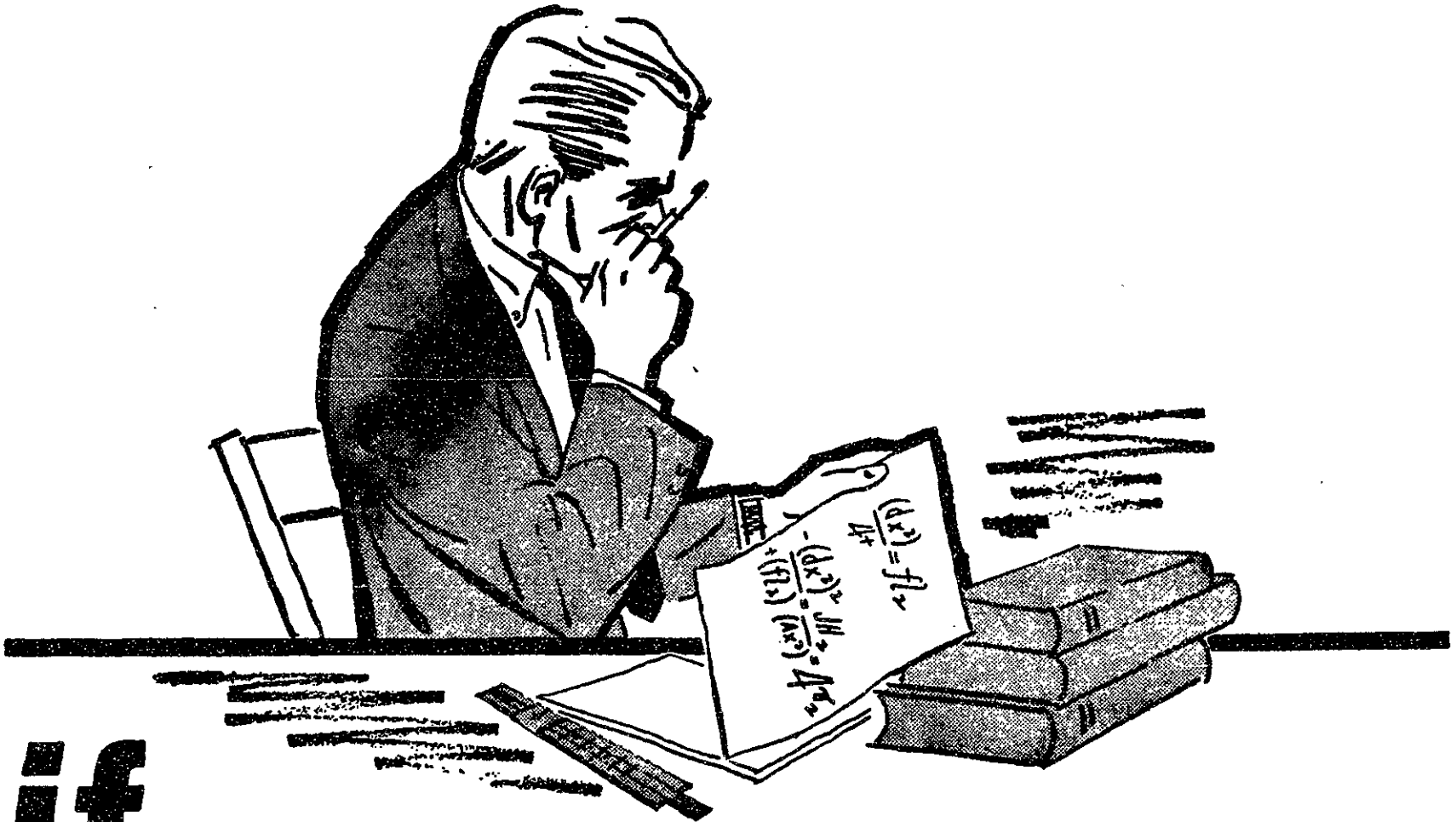
Diamonds, Watches, Jewelry

Guaranteed Watch Repairing

In Our Own Workshop

Folk Song Society Hosts Harvard Singers

The M.I.T. Folk Song Society banjo, among them the autoharp visional membership to that or- held its second meeting on Sun- and the ukelyn. They also showed ganization. The FSS will, there- day, October 28. Guests were Pete various styles of finger picking fore, hold elections for officers at Winters and Don West of the Folk- for the guitar. After their talk, a its next meeting. lore Center in Harvard Square. hootenany was held. The Folk Song Society will Pete and Don demonstrated some At the meeting of Activities meet again on Monday night, of their instruments which are Council last Thursday evening, the November 12, in the Burton 410 less well-known than guitar or Folk Song Society was voted pro- Lounge.



if...

You have (or will have) your Ph.D. or Master's Degree

YOU MAY FIND THAT A MOVE TO MARTIN WILL BE A MOVE UP IN YOUR CAREER... A MOVE AHEAD TOWARD SIGNIFICANT ACCOMPLISHMENT

Important Martin positions for PHYSICISTS, ENGINEERS, APPLIED MATHEMATICIANS and SCIENTISTS with advanced degrees in:

AERONAUTICAL OR ASTRONAUTICS

- | | | |
|---|--|---------------------------------|
| Dynamics Analysis
Magnetohydro-
dynamics
Flutter, Turbulence | Fluid Dynamics
Wave Phenomena
Re-entry Heating
Problems | Hypersonic-Rarefied
Gas Flow |
|---|--|---------------------------------|

CIVIL

- | | | |
|--|------------------------------------|--|
| Elasticity and
Plasticity
Random Loading | Plate and Thin-shell
Structures | Experimental Stress
Analysis of Struc-
tures at Elevated
Temperatures |
|--|------------------------------------|--|

CHEMISTRY (Physical-Organic)

- | | | |
|--|---|---|
| Non-equilibrium or
Aero-chemical
aspects of very hi-
speed flight | Radiochemistry
Hi-temp chemical
reactions | Solid State Devices
Kinetics of reaction
Plastics |
|--|---|---|

ELECTRICAL OR ELECTRONICS

- | | | |
|---|--|---|
| Data Processing
Solid State Circuitry
Infrared
Microwave
Guidance &
Navigation
Visual Presentation
Systems
Cryogenics | Propagation
Problems
Command &
Control
Plasma Microwave
Interactions
Energy Conversion
(Thermoelectric) | Information Theory
Semi-Conductor
Studies
Advanced Communi-
cation Systems
Studies
Automatic Control
Systems
Aerospace Vehicle
Electrical Power
Distribution
Systems |
|---|--|---|

PHYSICS, NUCLEAR PHYSICS & SCIENCE

- | | | |
|---|--|--|
| Energy Conversion
(Thermionic &
Magnetohydro-
dynamics)
Electron Optics
Infrared
Cryogenics | Acoustic Power
Prediction
Advanced Reactor
Studies
Underwater
Acoustics
Thinfilms
Radioisotope Fueled
Generator Devel-
opment | Wave Propagation
in Solids
Plasma Microwave
Interactions
Guidance &
Adaptive Control
Processes |
|---|--|--|

PROPULSION & THERMODYNAMICS

- | | | |
|--|--|---|
| Fluid Dynamics of
multi-phase gases
Liquid Rocket
Studies | Advanced Space
Propulsion
Systems
Mechanical Aspects
of Advanced
Reactors | Radiation heat
transfer problems
Environmental
Systems (ultra-
high vacuum) |
|--|--|---|

MATHEMATICS (Applied)

- | | | |
|---|--|---|
| Classical Mechanics
Orbital Mechanics
Systems Evaluation
of Reactors | Theory of Dynamic
Programming
Systems Optimiza-
tion & Nonlinear
Methods | Digital Logic &
Adaptive
Processes
Random Signal
Theory Studies
Interplanetary
Trajectories |
|---|--|---|

METALLURGY

- | | | |
|--|--|---|
| Hi-temp Materials
Solid-State Devices | Advanced Welding
Joining Techniques | Effects of Metal-
lurgical Structures
(Creep & Stress
Rupture behavior
of super-alloy and
refractory metals) |
|--|--|---|

EXPERIMENTAL OR INDUSTRIAL PSYCHOLOGY (Ph.D.'s Only)

- | | | |
|-----------------------------|----------------------------|---|
| Control-Display
Research | Decision-Making
Studies | Human Factors Field
Evaluation &
Analysis of
Results |
|-----------------------------|----------------------------|---|

ON-CAMPUS INTERVIEWS NOVEMBER 8, 9

Please contact your College Placement Officer for an appoint- ment. If you are unable to attend the interview, write for J. J. Krajovic, Director, College Relations, Martin Company, Baltimore 3, Maryland.

MARTIN COMPANY

an equal opportunity employer

The Aerospace Division of **MARTIN** **MARIETTA**

Junior Prom Corsages Styled to Her Dress

FREE Boutonniere and Delivery

**20% Discount to
Living Groups**

Minimum group of 15

Sidney Hoffman, Jr.

480 Commonwealth Avenue

Tel. KE 6-6624

Italian Art Exhibit In New Gallery

Paintings by twenty-five Italian artists, award winners in the 1962 Esso Competition in Italy, will be exhibited in the New Gallery starting today and running through November 27.

Italian artists have always been supported by and have worked in the interests of the strong groups of their day — the Church, the City States, or commercial groups such as the Medici and the banking families. Today many industrial organizations continue in this tradition of aiding Italy's young artists.

Since 1951 Esso Standard Italiana has sponsored four art competitions, based on industrial themes. The theme of the 1962 competition was "One Hundred Years of Italian Industry," chosen to celebrate the centenary of Italy's industrial progress.

The collection on exhibit includes all the 1962 prize winners

and many of the honorable mentions.

The paintings will be shown 10 a.m. to 5 p.m., Monday through Friday, and 1-5 p.m. Saturdays and Sundays. November, 12 the Gallery will be open from 1 to 5 p.m. It will be closed on Thanksgiving Day.

'Threepenny Opera' Continues At Charles

"The Threepenny Opera" will continue at the Charles Playhouse until November 25.

Directed by Michael Murray, the comic opera features Stephen Elliott, Norman Roland, Dee Victor, and Sherri Malinou.

Performance times are Tuesday through Friday at 8:30, Saturday at 5:30 and 9:00, and Sunday at 3:00, and 7:30.

Institute May Close: Listen to WHDH, WBZ

Normal operations of the Institute may be suspended due to emergency weather conditions, such as severe blizzards or hurricanes. If so, radio stations WHDH (850 kc) and WBZ (1030 kc) will carry a "no-school" announcement.

Scholarships Offered To Undergraduates For European Studies

The Institute of European Studies has opened scholarship competition for undergraduate study in Europe during the academic year 1963-1964.

Seven scholarships are being offered for study at the Institute's centers in Vienna, Paris and Freiburg, West Germany. Included are three full scholarships which cover all basic costs such as tuition, fees, field-study trips, room most meals, and round-trip transportation from the United States.

Each program embraces formal classes, lectures, seminars and field-study, and is designed to fulfill usual course requirements at its academic level. The programs in Vienna and Paris are open to college sophomores and juniors, while the Freiburg program is limited to juniors. The scholarships will be granted on the basis of academic achievement, financial need, and recommendation by the applicant's "home" college or university.

Completed applications must be submitted no later than February 15, 1963. Forms and descriptive literature are available from the Institute of European Studies, 35 E. Wacker Drive, Chicago 1, Ill.

Tryouts Held Tonite For "Matchmaker"

The MIT Dramashop will have tryouts for the major fall production of Thornton Wilder's "The Matchmaker" at the Little Theatre in Kresge Auditorium tonight at 7:30 p.m.

Cafe Yana Features Hedy West, Phil Ochs, Reverend Gary Davis

Hedy West will appear at the Cafe Yana this weekend. Hedy wrote "Five Hundred Miles" and may be heard on the Vanguard recording "The New Folk."

Phil Ochs will appear on the 16th and 17th. Phil has just cut a record with Pete Seeger.

From the 18th through the 24th the Yana will feature the Reverend Gary Davis. Now in his seventies, blind Gary is one of the last of the great blues singers.

The Cafe Yana is located at 50 Brookline Ave.

Cafe Yana

50 Brookline Ave. (Near Kenmore Sq.)
Wed.—John Townly Jr.
Thurs.—Sally Schoenfeld
Fri.—Hedy West with Bill Lyons and Don MacSorley
Sat.—Hedy West with John Townly Jr.
Sun.—Jeff Gerber
Mon.—Hoot
Tues.—Jeff Gerber

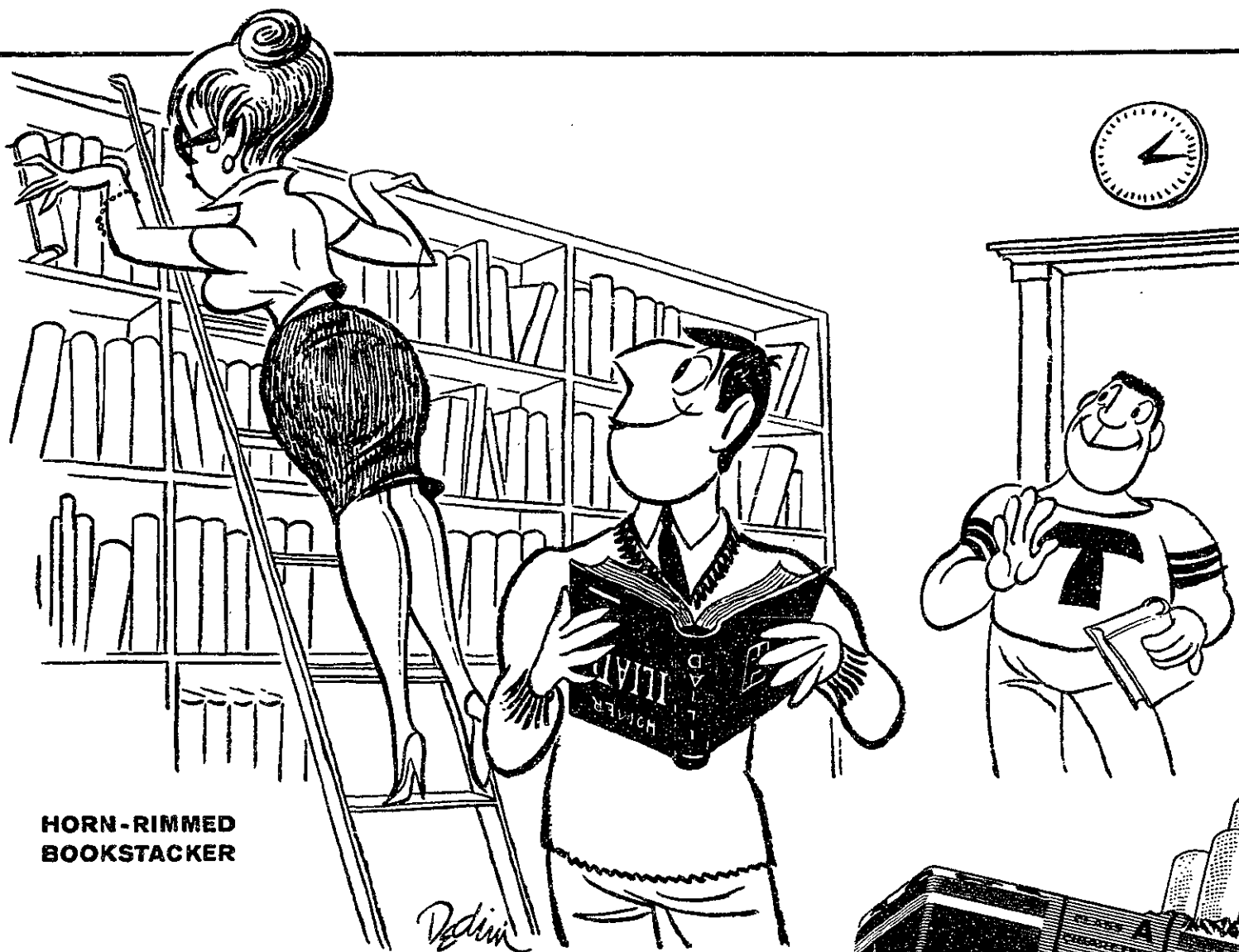
Club Mt. Auburn 47

47 Mt. Auburn St. Harvard Square
MEMBERSHIP—25c
DUES—\$1 PER VISIT
(All Events 9 p.m.-1 a.m. unless noted)
Wed.—Mike Seeger
Thurs.—Mike Seeger
Fri.—Mike Seeger 5-1
Sat.—Gallery Opening 2-5 p.m.; Charles River Valley Boys
Sun.—Brunch with the New York Times 11 a.m.-3 p.m.; Hoot 8-12 p.m.
Mon.—Films
Tues.—Jackie Washington

10 lb. Machines COIN-OPERATED DRY CLEANING

(Con. Armory & Hampshire Sts.)
Inman Square, Cambridge
Open 8 A.M. to 11 P.M.

Pall Mall Presents~ GIRL WATCHER'S GUIDE



HORN-RIMMED
BOOKSTACKER

CAMPUS TYPE III

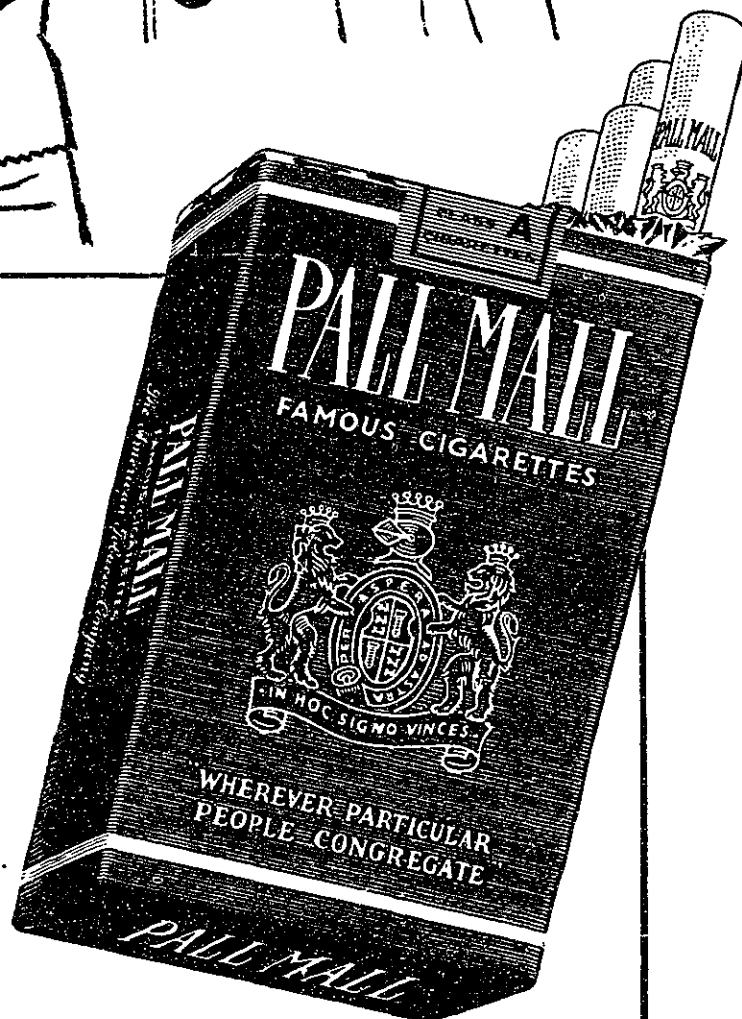
The Bookstacker serves the cause of classical literature in various ways. Perhaps the least of these is in keeping the rows of books properly aligned and the jackets free of dust.

Her most important contribution is in improving the environment for study, enhancing the halls of learning with her own classical form. Many a college man has discovered a previously unfelt craving for knowledge simply because he received his copy of Homer from the hand of a deep-breathing redhead who sighed, "I think Homer is the most!" Yes, it pays to take a good look at the classics now and then.

Among cigarettes, Pall Mall is a classic—famous length, fine tobacco . . . no flat "filtered-out" flavor, no dry "smoked-out" taste. Try Pall Mall and see!

**Pall Mall's natural mildness
is so good to your taste!**

**So smooth, so satisfying,
so downright smokeable!**



© A.T. Co. Product of The American Tobacco Company
"Tobacco is our middle name"

50 Pontiac Tempests FREE!



America's hottest new sports convertible!

LE MANS

L&M GRAND PRIX 50

Sweepstakes for colleges only

Your chances of winning are 50 times better than if open to the general public

You can win! 50 flashing new '63 Pontiac Tempest Le Mans convertibles are up for grabs! They're easy to win and it's lots of fun! The big sweepstakes is starting now . . . keeps going and growing through the school year. There'll be drawings for 5, 10, then 15 and finally 20 new Tempest convertibles — four exciting laps—50 cars in all! Enter often . . . no limit on the number of entries per person!

Enter now! Here's all you do:

1. Pick up a free official L&M GRAND PRIX 50 entry blank. Look for them where cigarettes are sold—on and about campus. Fill it in.
2. Detach your serialized L&M GRAND PRIX 50 LICENSE PLATE from your entry blank. Save it! Tear off the bottom panels from 5 packs of L&M KING, L&M BOX, CHESTERFIELD KING or CHESTERFIELD REGULAR. Menthol smokers can enter with OASIS. 5 panels, or acceptable substitutes (see entry blank), must accompany each entry. Each entry must be mailed separately.
3. Mail us the panels and your serialized entry blank . . . it matches your license plate. Your serial number may be one of the 50 that wins a '63 Tempest convertible!

Winners' Tempests will include: 3-speed floor shift, bucket seats, deluxe trim and special décor, radio and heater, deluxe wheel discs, windshield washers and white sidewall tires; with delivery, sales tax and registration all pre-paid! And, choice of body, trim and top colors as well as choice of differential gear ratios!

Important: As your entries are received they become eligible for all subsequent drawings. So enter often and enter early—before the drawing for the first five Tempests (right after Thanksgiving). Entries received by Thanksgiving weekend will be eligible in drawings for all 50 Tempests!

Remember: The more entries you submit, the more chances you have to win!



EXCLUSIVE FOR THE GIRLS!

If you win, you may choose instead of the Tempest a thrilling expense-paid 2-week Holiday in Europe—for Two! Plus \$500 in cash!



Get with the winners...

far ahead in smoking satisfaction!

See the Pontiac Tempest at your nearby Pontiac Dealer!

THE NEW LOST CITY RAMBLERS

BONNIE JACKIE
DOBSON WASHINGTON

SAT., NOV. 10 9:30 P. M.

JORDAN HALL KEG-2412

TICKETS: \$3.50 - \$2.00 - \$2.20

Western Union

To President, U.S.A.:

Congratulations for your firm stand in the Cuban crisis. Will stand behind you always and back you with all our submarines.

THE COVE.

Special to M.I.T. Students

SUBMARINES 45c

THE COVE

27 Columbia St., Cambridge

Physics of Rain Clouds

Nucleation Of Crystals Seminar Topic

By Robert Davenport

Nucleation of ice crystals was the topic of discussion at a special seminar presented Wednesday, October 31, by Dr. Neville Fletcher of New England University, Australia.

Nucleation of ice crystals or the physics of rain clouds, as Dr. Fletcher described it, is the phase change from water to ice. The only problem that scientists have with nucleation is understanding how the process begins. It must have a start, but scientists today are uncertain of its origin. To face the problem, Dr. Fletcher focused his attention on the parent phase of nucleation. This parent phase consists of very closely associated molecules that form ice crystal lattices in short strips for short periods of time. Then because of lack of energy, the lattice separates back into single molecules. This fluctuating process repeats itself until there is enough energy present to allow the nucleation to run to completion.

The amount of energy needed to complete the lattice structure is

equal to the product of a material constant, volume, free energy and surface area. The rate of nucleation is then roughly equal to the number of critical embryos per unit volume multiplied by the rate of addition of molecules to the embryo, which depends upon the rate of collision with the embryo and on how many of those that do collide with the embryo stick with the embryo.

This is the scientists' problem. As of yet, they do not understand the quantities of energy necessary for an addition to result nor can they measure the amount of free energy necessary for the formation of the embryo to begin. Dr. Fletcher saw the field of nucleation in organic materials answering many of these problems, but these problems cannot be solved for several years because of a lack of development in this area.

Dr. Fletcher hails from New England University of Australia. At the University of New England, he is a professor in the department of physics. In years past he has studied radio physics, but he has given that area up for his

present adventures in nucleation. He has written a book entitled *The Physics of Rain Clouds*. He graduated from and received his Ph.D. from Harvard University.

Students View Plans, Pose Questions At Monday Unveiling

(Continued from Page 1)

this will bring the total amount of money needed to between \$5 million and \$5.5 million."

The proposed Student Center is to contain about 150,000 square feet of floor space, more than twice as much as Walker Memorial (71,000 sq. ft.). The only building in the Second Century Fund which will be larger is the Materials Science and Engineering building (about 160,000 sq. ft.), which will start to rise behind the Great Dome before the end of winter.

Following President Stratton's talk, Professor Catalano took the podium and proceeded to give a detailed description of the philosophy behind, the location of, and physical structure of the Student Center; he employed numerous slides which showed a model of the "West Campus of the future," Professor Catalano's model of the Student Center, and the detailed floor plan of the Center.

"The basis of the Student Center is to create a focus of life in the campus," he explained. "The Center, in site and in function, will be the linking point between the East and the West. Later on when the basement is linked to the main Institute buildings by the tunnel under Massachusetts Avenue, and then also to the Graduate Center, to be constructed just west of Kresge, then the basement passageway will become an underground street, lined by shops."

He further explained that the outside overhang on the level of the social floor would tend to make the social facilities of the Center, with its two-story glassed-in dining hall and multipurpose room, predominant over the commercial facilities to be located on the ground and basement levels.

"The idea will be to unite the life inside the Center to that outside —to project outwardly the social activities inside the building. This can be achieved by the large stairway in front leading to the main floor, by the balconies on the mezzanine level, by the very 'open' nature of the building building as a whole."

Following Prof. Catalano's description there was a question and answer period; in answering one question concerning the future use of Walker Memorial, President Stratton announced that the Ryer Report policy of attempting to move all dormitory facilities to West Campus had been abandoned. Present plans included improving Senior House, the parallels, and Walker together as a permanent dormitory area, in addition to building a new dorm on West Campus.

Another question answer from Catalano revealed that the exterior of the building would be similar to that of the main Institute Buildings.

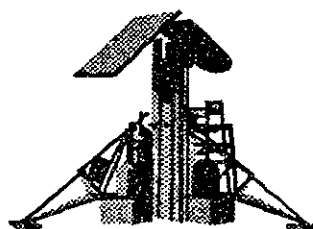
It was further announced by Mr. O. Robert Simha, planning officer, that in conjunction with the Graduate Center there would be developed a 400-car parking facility. In addition, there will be, less than 250 yards from the Student Center, the Institute's second parking structure, which will be under construction before the first of the year, or shortly thereafter ;this would be just across the street from Rockwell Cage.

ELECTRONICS
ENGINEERS
& PHYSICISTS:

**If space
is your future,
your career
is with Hughes**

IN ASTROSPACE
IN AEROSPACE
IN TERRASPACE
IN HYDROSPACE

As far back as 1890, Jules Verne visualized excursion trains to the moon. Today — 72 years later — Hughes offers you the opportunity to play an important part in man's actual conquest of space.



Help us soft-land the SURVEYOR on the moon — or work with us on exciting advanced projects such as:

- ANTI-MISSILE DEFENSE
- SYNCOM (Communications satellite)
- PLASMA PHYSICS & ION PROPULSION
- ADVANCED FIXED-ARRAY RADAR SYSTEMS
- LASER & MASER RESEARCH & DEVELOPMENT
- NUCLEONICS & MOBOT* SYSTEMS
- SOLID STATE MATERIALS & DEVICES
- DATA PROCESSING & COMMAND-CONTROL

B.S., M.S. and Ph.D. Candidates
Members of our staff will conduct

**CAMPUS
INTERVIEWS
November 14, 15**

Find out more about the wide range of activities, educational programs and relocation allowances offered by Hughes. For interview appointment or informational literature consult your College Placement Director. Or write: College Placement Office, Hughes, P.O. Box 90515, Los Angeles 9, Calif.

Creating a new world with ELECTRONICS

HUGHES

HUGHES AIRCRAFT COMPANY
An equal opportunity employer.

*Trademark Hughes Aircraft Company

Bettman Archive

College World

Debate Topics At UBC Cover Adultery And Nurses

By Toby Zidle '63

The University of British Columbia seem to be a hotbed of debate. From one of the latest debates, *The Ubyssy*, the school newspaper, concludes that "ignorance may be bliss but UBC students like sex better." It seems that a capacity crowd at this debate voted down the motion that infants enjoy infancy more than adults enjoy adultery.

"Infants just don't know what they're missing," claimed one of the negative debaters.

On the other hand, one of the losers enumerated the joys of infancy. "They don't have to eat spinach, turnips, or Brock coffee." He claimed statistics showed that enjoyment of infancy is increasing at the rate of 14 per cent per year. His debate partner said he had done personal research on adultery. "Not one Canadian I met admitted he enjoyed adultery," he claimed.

The winners said they unveiled a new debating technique in the debate — "Anti-argument." "This

means that the way to the truth is to ignore the facts."

No Stone Unturned

Still on the Canadian scene, students at Ryerson College in Toronto have resumed their search for an old Ryerson Hall cornerstone reputed to contain \$10,000 in old coins and stamps.

The newest development in the search, which began last year, came when the school newspaper, *The Ryersonian*, learned the name of a graduate of the old Normal school, now Ryerson Hall. Students hope the woman will be able to supply them with information as to the exact location of the stone.

The search began last spring when six students, sparked by news stories that the cornerstone to the old building was missing, began excavating under the hall. They found old bricks and broken pipe — but no cornerstone.

Wanted: A New Alberta

The whereabouts of the old Ryerson cornerstone is a mystery,

but the whereabouts of Alberta is no mystery to University of Florida students. Alberta is gone. She died last May from a combination of pneumonia and an unidentified student's dumping soap into her pen.

Who was Alberta? Alberta was an alligator — the mascot of the Florida football team. Since last May the team has been looking for a replacement for Alberta. A recent announcement indicates, however, that there will be no replacement for at least eight months.

The saga of Alberta has, so far, been a tragic one. The original Alberta (she was a he named "Albert") was brought to the Florida campus in November, 1957, "for the purpose of providing students with a live mascot and to foster school spirit."

Albert was almost immediately a victim of attacks with knives, bricks, and concrete blocks. He survived this sort of treatment

until the "gator-axing" incident by three varsity football players in the fall of 1961.

Albert was replaced, at student demand, by a pair of 'gators, named Albert and Alberta. Their deaths came swiftly. The last replacement died from a combination of pneumonia and soap poisoning.

Although trouble was expected to come from rival schools or from people just passing through the campus, every known attack has come from within the UF student body itself. An attempt was made last fall by one of the fraternities to protect the alligator during a football weekend by posting an around-the-clock guard, but this drew little student response.

Replacement of the last mascot, however, is dependent on good behavior of the student body. A University spokesman said, "If we have no trouble for the next eight months or so, we'll think

Walker To Be Replaced

Someone has apparently felt that the student body at Amherst has shown more than good behavior, for he has replaced more than the football mascot. He has replaced the school library.

An anonymous alumnus has presented Amherst with a \$3,500,000 grant with which to construct a new library. Amherst President Calvin H. Plimpton has announced that the new building will be named the Robert Frost Library in honor of the poet who was on the Amherst faculty from 1916 to 1938 and has been Simpson Lecturer in Literature there since 1949.

The new library will have a capacity of 550,000 volumes. It will not contain a large reading room, but instead will house 60 faculty studies and 700 student study areas scattered throughout the stacks. Construction is scheduled to begin in the spring.

The new building will face the central quadrangle, replacing the 94-year-old Walker Hall which is to be torn down. The present library will be remodeled for faculty and administration offices when the new building is completed in 1965.

The \$3,500,000 grant is the largest single gift ever received by Amherst from a living donor and represents a major contribution to Amherst's current \$17,000,000 fund-raising drive.

New Treatment For Mono

From the campus of the University of Arizona comes good news for sufferers of infectious mononucleosis. Instead of the usual 4 to 12 week period of disability (and the usual loss of a term at school), the time needed for recuperation can be cut to less than a week. It has been estimated that attacks of mononucleosis have caused at least 6 per cent of all students to withdraw from school because of illness.

The secret of quick recovery, according to Dr. M. R. Chappel, director of student health at the University of Arizona, is early diagnosis and prompt treatment.

Early discovery of mononucleosis is favored because its symptoms — fever, sore throat, and enlargement of the neck glands — are similar to those of the common cold and tonsillitis. Furthermore, a typical form of the disease sometimes suggest appendicitis or viral hepatitis. Consequently diagnosis must be confirmed by blood tests.

Dr. Chappel has found a new method of treatment for mononucleosis, once it has been diagnosed, which drastically reduces the period of recuperation. By treatment with cortisone and prednisone, the average number of days of bed care after diagnosis was 1.96, and the average number of missed school days was 2.1.

Another Debate At UBC

While you are spending those 1.96 days in the infirmary, you might, if the Nursing Undergraduate Society at the University of British Columbia has anything to say about it, wind up with a male nurse.

In an inter-faculty debate with the girls of the NUS, the men of the Arts Undergraduate Society maintained that nurses should remain female. But naturally the audience sided with the NUS girls. Males make the best nurses.

The girls contended: "Just think nurses won't be flirting with doctors," but all the men could counter with was that male nurses would take away the incentive for male medical students to enter the profession.

Well, the day may soon arrive when girls will drive up to the male nurses' residence to pick up their dates to go to a party.

Want
IMMEDIATE
INVOLVEMENT
in projects
of significance?

Many engineering and scientific graduates have that as an objective — achieving it is a reality at UAC's Corporate Systems Center.

CSC was formed to bring together under one management the vast technical resources of United Aircraft (one of the nation's forty largest corporations) and its world-famous divisions. A young, relatively small organization, CSC is engaged in all phases of systems work in areas such as stellar inertial guidance, mobile ballistic missiles, weather technology, bio-science systems, orbital rendezvous and satellite navigation and control.

Rapid expansion in programs provides exceptional advancement potential for capable graduates. CSC's "small company" environment coupled with the stability and benefits of a major corporation provide an ideal climate for professional growth.

In the heart of picturesque New England, we are located almost exactly midway between Boston and New York City — only brief parkway hours from each.

Investigate CSC career advantages during our visit. If you are unable to see our placement representative during interviews on your campus, write to Mr. R. A. Fuller, Box 1047, Broadstreet Station, Manchester, Connecticut — an equal opportunity employer.

Opportunities for Chemists, Physicists, Biologists, Mathematicians, Civil, Aeronautical, Mechanical, Electrical and Chemical Engineers, Metallurgists, Meteorologists, Oceanographers, Geophysicists and others.

See your College Placement Officer for more information and an appointment.

United Aircraft

CORPORATE SYSTEMS CENTER
Windsor Locks, Connecticut

MIT, NASA Sponsor Area Meeting On Science, Technology and Space

More than 500 leaders from business, industry, government, education, and finance will gather at MIT November 13-14 for a two-day New England Regional Conference on Science, Technology and Space.

The purpose of the conference, which is being jointly sponsored by MIT and the National Aeronautics and Space Administration, is to focus attention on important major contributions that New England can make to the national space effort.

A principal speaker will be Dr.

Robert C. Seamans, Jr., '42, Associate Administrator of NASA, who will address a conference banquet at the Sheraton Plaza Hotel, Boston, the evening of November 13.

Another highlight of the conference will be an address the morning of November 14 by Dr. James A. Van Allen, Professor of Physics at the State University of Iowa, and discoverer of the Van Allen radiation belts that encircle the earth.

Dr. Van Allen will summarize recommendations about scientific aspects of the U.S. space program made by scientists at Iowa City last year. The recommendations are the result of an eight week study made by the National Academy of Science.

The study was an analysis and critique of the U.S. effort in space and was carried on during closed sessions by some 75 of the nation's leading scientists.

Other speakers will include top officials of NASA and experts from government agencies, universities, and industries.

Satellite Endures Hardships

By Michael Shorenstein

The Telstar satellite has experienced quite a few tests of its durability recently. According to R. T. Hutchinson, Supervisor of Circuit Design at the Bell Telephone Labs, the active communications satellite has withstood well the high altitude nuclear explosion last July which heavily damaged several other satellites. Speaking before a seminar on Thursday, November 1, Mr. Hutchinson attributed the satellite's radioactive protection to a new solar cell structure.

Telstar carries nineteen nickel

cadmium solar cells with a sixteen volt battery for its power unit. The normal p-on-n solar cells were originally planned for use in Telstar, but current Russian experiments with an n-on-p type cell revealed a radioactive resistivity factor of better than fifty times normal. The stronger solar cell allowed Telstar to gather data on the highly radioactive belt created by the explosion.

Mr. Hutchinson outlined the main objectives of the Telstar program to include test for the reliability of space communications for telephone, television, and teletype systems; measurement of the radioactivity levels and their changes; and provision for a basic test of ground equipment. Hutchinson also released some technical information concerning the operation of Telstar and its ground components.

The satellite command tracker searches for a 136 megacycle beacon, and a 123 megacycle signal is sent to turn on the telemetry. The transmitter operates a 2½ watt omnidirectional high gain antenna, the signal arriving at the ground at about 10 exp-14 watts. Another tracking antenna on low frequency is expected to remain operational for two years.

At the present time there are three orbits with mutual visibility with Maine and Europe. Hutchinson stated that the orbits will change in two weeks allowing only five minutes of mutual visibility. This will necessitate shutting down the satellite to save the batteries, he said.

Get Lucky Play "Crazy Questions"

(Based on the hilarious book "The Question Man.")

50 CASH AWARDS A MONTH. ENTER NOW. HERE'S HOW:

First, think of an answer. Any answer. Then come up with a nutty, surprising question for it, and you've done a "Crazy Question." It's the easy new way for students to make loot. Study the examples below, then do your own. Send them, with your name, address, college and class, to GET LUCKY, Box 64F, Mt. Vernon 10, N. Y. Winning entries will be awarded \$25.00. Winning entries submitted on the inside of a Lucky Strike wrapper will get a \$25.00 bonus. Enter as often as you like. Start right now!

RULES: The Reuben H. Donnelley Corp. will judge entries on the basis of humor (up to ½), clarity and freshness (up to ½) and appropriateness (up to ½), and their decisions will be final. Duplicate prizes will be awarded in the event of ties. Entries must be the original works of the entrants and must be submitted in the entrant's own name. There will be 50 awards every month, October through April. Entries received during each month will be considered for that month's awards. Any entry received after April 30, 1963, will not be eligible, and all become the property of The American Tobacco Company. Any college student may enter the contest, except employees of The American Tobacco Company, its advertising agencies and Reuben H. Donnelley, and relatives of the said employees. Winners will be notified by mail. Contest subject to all federal, state, and local regulations.

THE ANSWER:

After the ball
is over

THE QUESTION: When may the umpire call a strike?

THE ANSWER:

Mein Kampf

THE QUESTION: Hey, whose Kampf is this, anyway?

THE ANSWER:

THE JACK
OF DIAMONDS

THE QUESTION: What is the most expensive trunk accessory of the Rolls Royce?

THE ANSWER:

HORSELESS
CARRIAGE

THE QUESTION: What would you call a goat-drawn cart?

THE ANSWER:

5280 feet

THE QUESTION: How large is the practice of the average podiatrist?

THE ANSWER:

Don't fire until you see
the whites of their eyes

THE QUESTION: Say, Sarge, what's the best way to get a purple heart?

The answer is:

Get Lucky

the taste to start with...the taste to stay with

The question is: IF SOCRATES WERE ALIVE TODAY, WHAT WOULD HE ADVISE SMOKERS? Good, smart advice. Of course it makes sense to enjoy the fine-tobacco taste of Lucky Strike. This taste is the best reason to start with Luckies... the big reason Lucky smokers stay Lucky smokers. And this same taste is what makes Lucky Strike the favorite regular cigarette of college students. Try it today.

Product of The American Tobacco Company—"Tobacco is our middle name"



SUCCESSFUL STUDENTS

LINCOLN LABORATORY

has openings for a limited number of engineers, physicists and mathematicians in original research and development activities.

LINCOLN LABORATORY

is an electronics research and development center established by M.I.T. in 1951.

OUR REPRESENTATIVE
WILL BE ON CAMPUS

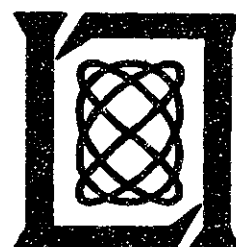
Nov. 16

CONTACT YOUR
PLACEMENT OFFICE NOW

Research and Development

LINCOLN LABORATORY

Massachusetts Institute of Technology



BOX 21 • LEXINGTON 73
MASSACHUSETTS

Notices

There will be a TCA Smoker and refreshments will be served for all those interested in boys' group leadership, visiting hospitals, and tutoring work. It will be held Wednesday, November 14 at 5 p.m. in the Miller room (3-070). Dean Holden will speak.

APO Will Distribute Free Career Guide

Career for the College Man, an annual guide to business and professional opportunities, will be distributed free to Seniors and Graduate Students by Alpha Phi Omega. One hundred and five companies are described in a page or two each.

The book also contains statistics on the 500 top Industrial Corporations, general indications of job opportunities, and a geographic index of employers.

Included also are information on how to write resumes, and a description of the resume service offered by the publisher of the book.

Distribution will take place today through Friday, in the lobby of Building 10.

The Chemical Engineering Department will present two seminars November 9, at 3 p.m. C. Hill will speak in room 12-182 on "Reactions of Atomic Hydrogen with Olefins at 77°K." At 4 p.m., H. Hopfenberg will speak on "Structurally Modified Polystyrene as a Separation Barrier" in room 12-142.

Latin American students are invited to a reception at 8 p.m. Wednesday, November 7, at the International Student Association Center, 33 Garden Street, Cambridge. Refreshments will be served.

Rabbi Dr. Joseph B. Soloveitchik will speak on "Catharsis in a Halakhic Perspective" for the fourteenth Morris Burg Memorial Lecture presented by the MIT Hillel Society. The lecture will be Sunday, November 18, at 7:30 p.m., in room 1-190. Admission will be by free ticket only; tickets (one per person) may be obtained from Norman Kaderlin, Box 2332, Burton House.

Wellesley College is giving a student concert November 11, in Jewett Auditorium, at 4 p.m.

9.01

Introduction To Sports

Weightlifting

By Bernard Yaged

Weightlifting is rapidly becoming popular in the United States not only as a way to condition for other sports but also as sport in itself. This sport is one of intense physical exertion and mental concentration with each individual constantly trying to improve his own performance. Here at MIT those interested in this activity meet in the form of the weightlifting club under the supervision of Coach Roosevelt Harvey, a highly skilled coach in physical development as well as the art of weightlifting. Coach Harvey may be found every Monday, Wednesday, and Friday in the weightlifting room of Dupont Center from 4:30 until 6:30. It is during these hours that most of the concentrated weightlifting takes place, with a basic group of a dozen men.

The weightlifting room "regulars", about six undergraduates and six graduate students, will probably form the basis of the weightlifting team. Presently, the team is seeking meets with many of the local colleges.

Perhaps, some clarification is necessary about the actual activities that go on in a weightlifting meet. The weightlifter must first be distinguished from the bodybuilder. A body-builder is concerned only with the development of statuesque physique; the weightlifter is concerned with how much he can lift. At a meet, the weightlifter performs three feats of his strength, the three basic lifts. The first of these is the clean and jerk, a lift made up of two distinct motions, the first in pulling the

weight from floor to shoulder rest position, and the second in throwing the weight over one's head while at the same time dropping one's body to support the weight. The second lift is the press, which involves picking up the weight and then while the rest of the body is motionless, to raise it overhead using only a smooth but powerful movement of the arms and shoulders. The third lift is the snatch, where the weight is thrown in one motion from the floor to overhead position while dropping the center of gravity at the same time; then the lifter comes to a stand up position to complete the lift. These three lifts measure not only the lifters' strength but also his speed. The press is indicative of a man's strength while the snatch shows his speed and coordination. Much practice is needed to perfect the proper form of these lifts; a strong man must first learn the proper techniques before he can begin hoisting large weights. The weightlifting club meets three times a week in order to improve their speed, technique, and strength. The competitive aspect of this sport becomes evident in these informal practice sessions when each of the weightlifters tries to lift more than the next man. Such friendly competitions add to the enjoyment which may be derived from the satisfaction of improving and lifting heavier weights.

This year, if sufficient interest can be aroused on our campus and at other schools for intercollegiate meets, the groups will perform as a team with men in different classes of body weight. Last year, intercollegiate competition included meets with Har-

ard and Bowdoin and performances in invitational meets. If sufficient number of men interested in lifting can be organized this activity may develop into a fully recognized intercollegiate team with a complete schedule of meets.

All those interested in participating in this sport of concentration, speed, coordination, and strength should get down to the weightlifting room on Monday, Wednesday, or Friday afternoons to take advantage of Coach Harvey's excellent coaching and meet the group of regular lifters. No previous experience is necessary—a desire to learn how and a desire to become really strong is all you need. Take advantage of this invitation from Coach Harvey and the lifters to come down to the weightlifting room, located in the lower floor of the Armory at the athletic center, and become a weightlifter.

Tech House Falling Down; TCA Considers Building New Facility

By Ralph E. Grabowski

Tech House is crumbling and the MIT community may get a new one soon. TCA meets with the Finboard today to map plans for a new facility.

Tech House, sleeping 24, is a large beach cottage on the 50 acre MIT owned Round Hill Reservation near Buzzards Bay, Mass. It is available for social functions to all MIT groups for under \$25 per weekend.

Because Tech House is in a serious state of disrepair and decay, few groups use it and MIT is seriously considering purchase of a new facility. The Technology Community Association, Tech House manager, wants student opinion to help decide what type of place will be acquired. Possibilities include a mountain retreat, and ski area location.

John Davis '66, Tech House Director, says "Tech House is a social asset to MIT" and would like suggestions at CI 7-3691 or X3206.

Swimming, Squash Facilities Open To Techmen & Dates

On Monday of Junior Prom Weekend, Veteran's Day, the MIT swimming pool will be open for the use of MIT students and their dates. The facilities will be available from 12 noon to 6 p.m. The squash courts in Dupont will also be available at these times

RCA

**will interview on campus
NOVEMBER 14, 15**

B.S. and M.S. candidates

**In Electrical Engineering,
Mechanical Engineering
and Physics for
Design and Development
Specialized Training Program,
Direct Assignment,
Graduate Study Program**

*See your placement officer now to arrange
an interview with the RCA representative.*

An Equal Opportunity Employer



The Most Trusted Name in Electronics
RADIO CORPORATION OF AMERICA

COOP

PIPE

ANOTHER

COOP

VALUE

at \$2.69

OUTSELLS ALL

OTHER PIPES

COMBINED AT

TECH

COOP

AN OPPORTUNITY TO GROW

IN THE HIGHEST PROFESSIONAL

WORKING ENVIRONMENT

ELECTRICAL ENGINEERS

PHYSICISTS

MATHEMATICIANS

Technical representatives

of the MITRE Corporation

will be conducting interviews

on campus

November 9, 1962

MITRE designs and develops systems that enable our military commanders to detect attack and retaliate instantly. Typical systems include Nuclear Detection and Reporting Systems, North American Air Defense Combat Operations Center, and Back Up Interceptor Center. MITRE is also experimenting with techniques for future air traffic control systems.

For the young systems engineer there is no more rewarding work. You associate with the top men in your field. You work in an atmosphere that allows you to extend your capabilities professionally and academically.

At MITRE, men trained in single disciplines are encouraged to grow beyond their original fields of interest. Systems designers learn to work from an increasingly broad base.

You may work in such diverse areas as information theory, computer design, display techniques, propagation, or human-engineering. You may analyze. You may synthesize. You may deal with systems or individual components. At the highest levels, you may have to consider political, economic and social factors... as well as the available and predictable technology.

Requirements, B.S., M.S., or Ph.D. in these disciplines — electronics, physics, and mathematics. MITRE is located in pleasant, suburban Boston. If an interview will be inconvenient, inquiries may be directed in confidence to Vice President — Technical Operations, The MITRE Corporation, Box 208, Dept. MIT 10, Bedford, Mass.

MITRE, an independent nonprofit corporation, working with — not in competition with — industry, serves as technical advisor to the Air Force Electronic Systems Division, and is chartered to work for such other Government agencies as the Federal Aviation Agency.

ARRANGE FOR AN INTERVIEW

THROUGH THE PLACEMENT OFFICE.

THE

MITRE

CORPORATION

An Equal Opportunity Employer

Kettering Foundation

Gives MIT \$250,000

For Science Teaching

Intramural Basketball Competition Opens

With Record-Breaking 58 Teams Entered

A \$250,000 grant from the Charles F. Kettering Foundation to support improvement in science education was received by MIT.

In using these funds, the Institute will operate primarily through two organizations, Educational Services Incorporated and MIT's Science Teaching Center. ESI is a successor to the Physical Science Study Committee which developed a new high school physics course now used across the country. The Science Teaching Center was established at MIT a year ago under the direction of the late Professor Francis L. Friedman.

The Charles F. Kettering Foundation of Dayton, Ohio, was founded in 1927 by the inventor whose name it bears.

This week saw the start of another season of intramural basketball. A record breaking 58 teams are participating as against last year's high of 55.

In the American League, pre-season favorite Graduate House "A" won two games, while co-favorite Lambda Chi "A" split two. In the National League, Baker "A" and Burton "A" each won its first contest. Featuring fast ball handling the Chinese Student Club romped to two victories in the Pacific Coast League. It's a tossup for power in the other leagues.

IM BASKETBALL WEEK'S RESULTS

American League

Alpha Tau Omega 34, Paradise Cafe 31
Grad. House A 64, Senior House A 39
Lambda Chi A 37, Sigma Phi Eps'n 34
Sigma Chi 33, Phi Delta Theta 32
S'n'r House A 55, Al'a Tau Omega A 46
Grad. House A 45, Lambda Chi A 36

National League

Baker A 66, Grad. Management A 55
Graduate House B 40, Theta Chi A 23
Burton A 56, Sigma Phi Epsilon 35
Phi Gamma Delta 49, Alpha Eps'n Phi 33

Pacific Coast League

Chinese Stu. Club 42, Beta Theta Pi 23
D'ta Kappa Eps'n 29, Beta Theta Pi 16
Chinese Stu. Club 35, Tau Eps'n Phi 32
Grad. Manag'm't B 29, Nuclear Eng. 16
Political Science 42, Phi Mu Delta 35
Beta Theta Pi 22, Nuclear Eng. 20
Political Sci. 37, Grad. Manage. B 16

American Association

Delta Tau Delta 30, Burton B 25
Student House 39, Phi Kappa Sigma 14
Delta Upsilon 24, Lambda Chi B 16

International League

Sigma Alpha Mu 56, Phi Kappa Theta 34
Phi Sigma Nu 36, Lambda Phi A 33

Eastern League

Kappa Sigma 39, Chi Phi 28
Sen. House B 36, Sigma Phi Eps'n B 15
Theta Delta Chi 61, Burton C 19
Senior House B 41, Chi Phi 14
Theta Delta Chi 45, Kappa Sigma 32

Southern League

Non-Resident Stu. 35, Pi Lambda Phi B 31
Grad. Din. Staff 28, Burton Fine 5th 27
Theta Chi B 20, Burton Din. Staff 16

Western League

Club 414 29, The Avantis 24
Hayden 2nd 42, Bemis 4th 26

IM BASKETBALL STANDINGS

American League

Graduate House A	2	0
Sigma Chi	1	0
Alpha Tau Omega A	1	1
Lambda Chi A	1	1
Senior House A	1	1
Paradise Cafe	0	1
Sigma Alpha Epsilon	0	1
Phi Delta Theta	0	1

National League

Baker A	1	0
Graduate House B	1	0
Burton A	1	0
Phi Gamma Delta	1	0
Graduate Management A	1	0
Theta Chi A	1	0
Sigma Phi Epsilon A	1	0
Alpha Epsilon Phi	0	1

Pacific Coast League

Chinese Student Club	2	0
Political Science	2	0
Delta Kappa Epsilon	1	0
Graduate Management B	1	1
Beta Theta Pi	1	2
Tau Epsilon Phi	0	1
Phi Mu Delta	0	1
Nuclear Engineering	0	2

American Association

Delta Tau Delta	1	0
Delta Upsilon	1	0
Student House	1	0
Phi Kappa Sigma	0	1
Burton B	0	1
Lambda Chi B	0	1

International League

Phi Sigma Kappa	1	0
Sigma Alpha Mu	1	0
Phi Kappa Theta	1	0
Pi Lambda Phi A	0	1
Zeta Beta Tau	0	0
Baker B	0	0

Eastern League

Senior House B	2	0
Theta Delta Chi A	2	0
Kappa Sigma	1	1

Western League

Burton C	0	1
Sigma Phi Epsilon B	0	1
Chi Phi	0	2
Alpha Tau Omega B	0	0

Southern League

Non-Resident Students	1	0
Theta Chi B	1	0
Grad. Dining Staff	1	0
Burton Dining Staff	0	1
Burton Fine 5th	0	1
Pi Lambda Phi B	0	1
Baker C	0	0

LXA's Don Day '63 takes shot after rebound in one of last week's IM basketball contests with SAE. Lambda Chi's won 38-34 but the game is under protest.

Coach's Corner

Wrestling —

An Ancient Sport

By W. R. Chassey

Wrestling is probably one of the oldest sports known to man. Pre-historic man depended upon his own strength, endurance and cunning for survival. After learning to run and throw, it is logical to assume that man learned some form of wrestling. This brutal type of wrestling was his main defense against his enemies and wild beasts. It is very likely that many of the holds that have come to us from antiquity were skills pre-historic man used in combat. Probably wrestling as a sport grew out of contests of skill between families and neighbors.

There is considerable evidence to support the theory that wrestling was highly developed at the dawn of civilization, more than 5,000 years ago. In 1938, two slabs were found in the ruins of a temple at Kyafaje, near Bagdad. One was a cast bronze figurine of two wrestlers, each with holds on the other's hips. The other was a stone with figures of two pugilists squaring off. These were created by Sumarians, an ancient people who have long since disappeared.

The Greeks stressed athletic competition, not only to train physically fit soldiers, but they sought to develop strong, verile, robust and symmetrically built bodies. They regarded the wrestler as the best type of athlete, surpassed only by the discus thrower. The Greeks rated wrestling with running and jumping as the most natural form of athletics; it required no paraphernalia, and it provided an excellent method of building muscles and improving health.

Reference to wrestling appears time and time again in Grecian literature. All types of wrestling scenes are shown on Grecian coins and vases. The Greeks practiced two types of wrestling known as the "Upright" and "Ground." The "Upright" was the most common form. It was held in a pit which had been spaded and sometimes sanded to make a soft surface. The winner had to secure three falls. This was a style similar to our "free style" of today.

"Ground" wrestling was staged on a spot which had been watered until it was extremely muddy. The Greeks thought that mud was beneficial to the skin and the muddy surface made the contest less dangerous.

After the Romans conquered Greece, they took over the Olympic Games. Under their guidance, the games were not a success because the Romans did not appreciate competition for its own sake. The games degenerated in

to vicious and deadly gladiatorial contests for the amusement of the populace.

The Grecian culture was so far in advance of the Roman culture that the conquerors became somewhat Hellenized. One result of this blending of cultures is illustrated by the Greco-Roman style of wrestling. The Roman's own methods of grappling were blended with the early Grecian style. This style is still used in Europe today and is characterized by the fact that holds below the waist are not permitted.

Wrestling was developed at an early date in Great Britain. There were almost as many different styles of wrestling as there were cities. The most famous of these styles were the Cornish, Devonshire and Lancashire. Annually, on St. Bartholomeu's and St. James' Days, these wrestling tournaments were held in old London. The champion was given a ram, and others who made a good showing were awarded a game cock. The fact that the English monarchs attended these matches shows the high esteem in which they were held. Both Shakespeare and Chaucer wrote poetic descriptions of the feats of outstanding wrestling of the Middle Ages.

THE TECH

WEDNESDAY, NOVEMBER 7, 1962

Page 23

Soccermen Blanked 4-0 In Final Tilt, 6-1-1 Mark Ranks MIT Near Top In NE

Tech Rugby Club Falls To Harvard, Faces Holy Cross

By John Reintjes

Harvard's Rugby team destroyed Tech's hopes of a winning season last Saturday with a 12-0 victory. MIT's record now stands at 0-3-1 with only two games left to play, one being a match with Holy Cross this Saturday.

Takes Lead On Penalty Shot

Despite the wide winning margin, Harvard had to work for its victory. In the first half, with the wind to their backs, the Crimson could not penetrate Tech's defense. However, MIT handed them two penalty shots which they converted for a 6-0 lead.

Harvard altered its offensive tactics in the second half to meet the wet and muddy playing conditions. Using short kicks and passes, they were able to drive two more scores past the Tech goalie. Both conversion attempts failed and the scoring ended with the Crimson leading 12-0. Tech played well despite the adverse conditions of the field but its offense never got started.

To Play Holy Cross Nov. 10

MIT, still trying for its first victory, will meet Holy Cross, away, November 10, and will play host to the Boston Rugby Club, November 17.

By Neal Harvey

MIT's soccer team suffered its first defeat of the season last Saturday by falling to Middlebury, 4-0. The loss sets the season record at six wins, one loss, and one tie, which places the team towards the top of the New England final ranking. Next year, with most of the starting team returning, the Engineers should be more powerful than they were this year. Graduation takes only five seniors from the squad of 28, and there are several fine players coming up from the freshmen ranks to fill their shoes.

Weather Favors Middlebury

The heavy rain and wind that lasted all afternoon on Saturday figured heavily in the Tech defeat. MIT's strength lies in superior dribbling and passing accuracy. However, the rain, wind and muddy field all but cancelled this advantage and favored the kick and run type of game which Middlebury plays.

The first and second Middlebury goals came within a minute of

each other midway through the first period. Both times the opponents managed to bang the ball past the Tech defensemen and score before the Engineers could cover the goal.

The Engineers then shifted into their diamond defense with a lineman making the sixth man in the backfield. They were then able to keep the ball in Middlebury territory, but none of the Tech shots found their way into the Middlebury net.

Efforts to Score Fail

Midway through the fourth and final period the Techmen shifted back to the standard formation in an effort to score. And, again Middlebury cleared the ball past the Tech defense for a third tally. The final goal was scored later in the period during a scramble for the ball in front of the MIT goal.

This ended the scoring for the afternoon, despite strong offensive efforts on the part of the Techmen. This was the first time in over two years that the Engineers have been shut out.



Bob Mehrabian '64 takes control of ball near the Middlebury goal during Saturday's soccer match on Brigg's Field. The Engineers dropped the contest 4-0. Backing up the play for MIT are Sylvester Okereke '63 (left) and Mohammed Chikhaoui '65 (center).

ZBT Edges AEPi 25-19 For 'B' Grid Crown

Zeta Beta Tau scored in the last twenty seconds of a sudden-death overtime period to edge out Alpha Epsilon Pi 25-19 for the Division B intramural football championship Sunday. The game was a tense seesaw battle, which was extremely well-played and hard fought by both sides.

AEPi takes 13-6 halftime lead

ZBT went ahead in the opening quarter, as Bob Kaplan '62 hit Ron Cordover '64 on a thirty-yard toss into the end zone. AEPi came back in the second period, when Ron Mandle '65 intercepted a pass on his own thirty, and went all the way to score on some excellent broken-field running. A few plays later, Phil Strause '65 took a ZBT punt in his own territory, raced to the sideline, and outran three ZBT defenders to the end zone. AEPi made the second of these extra points on a pass from Ralph Bestock '64 to Sam Wilensky '59, to take a 13-6 halftime lead.

Early in the third period, ZBT came back on a long pass from Kaplan to George Barbeco '65. Kaplan passed to Al Kamin '62 for the tying extra point. But with a minute remaining in the period, AEPi quarterback Bob Lurie '66 hit Ralph Bestock with a 50-yard scoring aerial to regain a 19-13 lead for AEPi.

Clutch passes win for ZBT

The ZBT's exhibited a really fine passing game as they made several efforts to come back in the final period. Twice they moved inside the AEPi 20, only to be halted by end-zone interceptions. With just two minutes to play Kaplan



ZBT quarterback Bob Kaplan gets off pass despite on-rushing AEPi linemen Mark Ordower '64 and Mark Radwin '64. ZBT's went on to take the see-saw contest in double overtime by the score of 25-19.

and Kamin connected on a pass to inside the AEPi ten. On the next play Bob Goldsmith '62 took a Kaplan pass for the tying score. The extra point was missed, and the game went into sudden-death overtime.

The teams battled scorelessly back and forth for most of two eight-minute overtime periods.

Finally, ZBT took the ball on the AEPi thirty with just 20 seconds remaining in the second extra period. On the first play, end Dave Lampert broke loose and took a paydirt pass from Bob Kaplan to win the championship for ZBT.

SAE Tops Fijis Takes IM Net Title

Sigma Alpha Epsilon defeated Phi Gamma Delta Sunday to win the intramural tennis tournament. In matches that had been already played, the score going into Sunday's contest was 2-1 in favor of PGD, and SAE had to take both of the, two remaining singles contests to win the championship.

In one of these matches, Bob

Malacek '63 (SAE) downed John Vlcek '62, 6-3, 6-2. The other match was a very tight, three-set affair in which Hank Peritt '66 outlasted Randy Seba '65 by 6-4, 3-6, 7-5 to win for SAE.

Interestingly enough, Sigma Alpha Epsilon failed to even place in last year's tennis tournament.

Sailors Place 2nd In Schell Trophy Regatta

MIT's sailing team tied for second place along with Harvard this past weekend in competition for the Schell Trophy. Competing with eleven other schools from the Northeastern area, Techmen Ken Klare '63 and Fred Kern '65, ended the day with a score of 131 points, eight points behind national champion Coast Guard.

Saturday was scheduled to be the first day of the regatta but high winds and heavy rain made it impossible. Hence the whole schedule was squeezed into the Sunday competition.

Skippers Klare and Kern both started slowly, but improved throughout the day to close in second place. Klare placed first in his division while Kern was fourth.

Frosh Sports

Harriers Fall To Wesleyan, 20-43

The frosh cross country squad was defeated 20-43 by Wesleyan Saturday. On a cold, rainy day Sumner Brown won the race in 14:22, only ten seconds above the course record. Wesleyan runners, however, took the next seven places. The other Engineers to place were Rob Wesson, Ed Fiala, Joe Shaffery, and Rusty Epps.

Wednesday the harriers compete in a triangular meet with Northeastern and Tufts.

Co-Captains Named

The soccer team finished its season at Exeter Wednesday, losing 8-0 on a muddy field. Before the final two games of the campaign Carson Eoyang and Tomas Van Tienhoven were elected team co-captains.

All MIT Swim Meet Set For November 17 Competition By Classes

MIT's Seventh Annual All-Institute Swimming Meet, Saturday November 17th at Alumni Pool, promises to be a most exciting and entertaining afternoon and evening of competition.

Competition By Classes

Again this year, competition is by classes in addition to fifth team composed of graduate students, faculty, and alumni. A new event introduced this year is a coed relay.

In addition to the races, a number of diving and swimming exhibitions are planned. The evening program features clown diving, championship swimming and diving by members of Harvard and Yale swim teams, and an exhibition by the Wellesley Water Ballet.

How They Did

Cross Country

Wesleyan 15, MIT 50 (F) Wesleyan 20, MIT 43
MIT placed 5th out of 6 in Easterns

Rugby

Harvard 12, MIT 0
Soccer
Middlebury 4, MIT 0 Exeter 8, MIT 0 (F)

Sailing

MIT tied for 2nd place in Schell Trophy Regatta

Faces North Eastern Today

Cross Country Squad Drops Two

By John Rible

MIT's cross country team fell twice this weekend, losing to Wesleyan on Saturday and finishing fifth out of six in the Easterns

On Deck

Today — November 7

Cross Country (V) — Northeastern, Tufts. Away, 4:00 p.m.
Cross Country (F) — Northeastern. Away, 4:00 p.m.

Saturday, November 10

Sailing (V) — Fowle Trophy Finals. Away

Sunday, November 11

Sailing (V) — Fowle Trophy Finals. Away

Monday, November 12

Cross Country (V) — New England. Away, at Franklin Park
Cross Country (F) — New England. Away, at Franklin Park

on Monday.

In the Easterns, Roger Hinrichs '63 and Bill Purves '65 finished first and second for the Engineers in fourteenth and fifteenth positions respectively. Tom Goddard '63, Dick McMullin '65, Frank Shaw '65, Chuck Sigwart '64, and John Dressler '64 also ran for the Engineers. Central Connecticut States Jim Keefe '64 finished first in a record 20:44.6, topping his own last year's mark by more than a minute.

Running in the worst weather seen so far this year—cold, driving rain—the Harriers lost to Wesleyan Saturday by a shutout score of fifteen to fifty. Captain Tom Goddard '63 finished first for Tech in eighth position with Chuck Sigwart '64 and co-captain Roger Hinrichs '63 right behind.

Second class postage paid at Boston, Massachusetts. The Tech is published every Wednesday during the college year, except college vacation, by THE TECH, Walker Memorial (50-211), MIT, Cambridge, Mass. Telephone: 353-0700. Extension 2731. U. S. Mail subscriptions \$2.75 for one year, \$4.25 for two years.

Humanities Library
14E-210